

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109 BR)BRR	STEPHENSON	31	1
		ILLINOIS	CONTRACT NO. 64T58	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION

PROPOSED
HIGHWAY PLANS

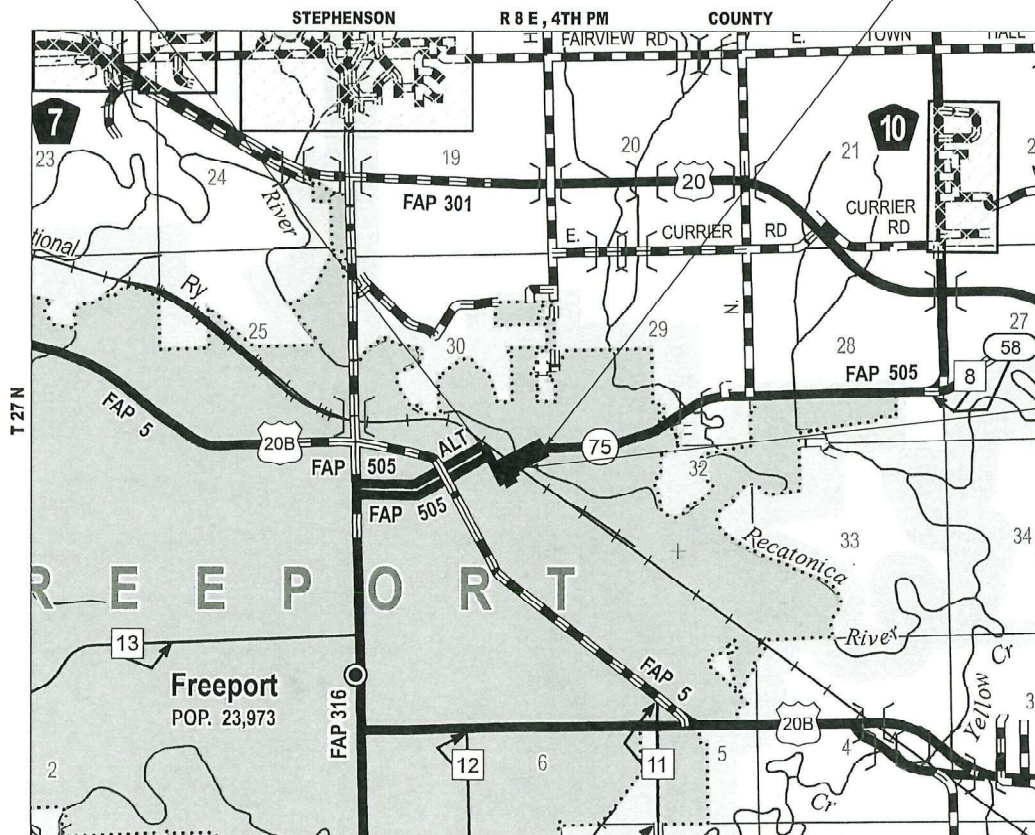
FAP ROUTE 505 (IL 75)
SECTION (109 BR)BRR
PROJECT STP-7SAN(992)
BRIDGE REHABILITATION
STEPHENSON COUNTY
C-92-123-24

TRAFFIC DATA

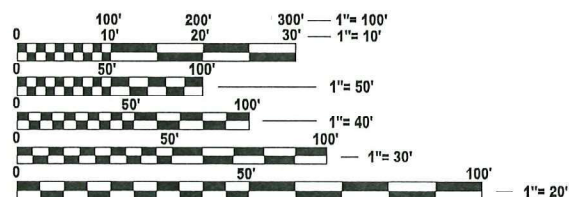


BEGIN IMPROVEMENT
STA 4+23.80

END IMPROVEMENT
STA 6+59.33



BRIDGE REPAIRS
SN 089-0038



LOCATION MAP
NOT TO SCALE

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



PROJECT ENGINEER:

PROJECT MANAGER: DERRICK LOPEZ, PE
(815) 284-5398

CONTRACT NO. 64T58

WILLIAM J. SLEEMAN
4/2/26

GROSS LENGTH = 235.53 FT. = 0.045 MILE
NET LENGTH = 235.53 FT. = 0.045 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED April 4 20 26

Julia Thompson
REGIONAL ENGINEER

May 8 20 26
See Etc
ENGINEER OF DESIGN AND ENVIRONMENT

May 8 20 26
Y. Perry
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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HIGHWAY STANDARDS

- 000001-09 - STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 - AREAS OF REINFORCEMENT BARS
- 001006- DECIMAL OF AN INCH AND A FOOT
- 701006-05 - OFF-RD OPERATIONS 2L 2W 15' TO 24' FROM PAVEMENT EDGE
- 701301-04 - LANE CLOSURE, 2L 2W SHORT TIME OPERATIONS
- 701311-03 - LANE CLOSURE 2L 2W, MOVING OPERATIONS DAY ONLY
- 701501-06 - LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701502-09 - URBAN LANE CLOSURE 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701801-06 - SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-11 - TRAFFIC CONTROL DEVICES
- 704001-08 - TEMPORARY CONCRETE BARRIER
- 780001-05 - TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

1. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.
2. THE CONTRACTOR SHALL SUBMIT A SEQUENCE OF CONSTRUCTION OPERATIONS TO THE RESIDENT ENGINEER FOR APPROVAL BEFORE THIS PROJECT IS STARTED.
3. THE CONTRACTOR SHALL NOTIFY TRAFFIC OPERATIONS A MINIMUM OF 5 WORKING DAYS PRIOR TO PLACING PERMANENT PAVEMENT MARKING OR SIGNING.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
6. IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING, OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815-284-5469 AT LEAST 48 HOURS PRIOR TO WORK.
7. IN ADDITION TO FIELD REVIEW AND AERIAL DATA, PLAN DIMENSIONS AND DETAILS RELATING TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND AERIALS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS, SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR CHANGE IN SCOPE OF WORK. HOWEVER, CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK.
8. NO STREAM PERMITS HAVE BEEN PROCURED FOR THIS PROJECT. NONE IS REQUIRED FROM THE REGULATORY AGENCIES IF THERE IS NO DEBRIS FALLING OR BEING PLACED INTO THE STREAM. ANY TEMPORARY FILL IN THE STREAM OR THE COMPROMISING OF THE DIKE (IF APPLICABLE) WILL NOT BE ALLOWED. IF THE CONTRACTOR CHOOSES TO ALTERNATE/MODIFIED CONSTRUCTION METHOD(S), THEY WILL BE RESPONSIBLE FOR OBTAINING THE PROPER PERMITS. NO RELIEF OR COMPENSATION WILL BE GIVEN FOR ANY DELAYS, WORKING DAYS CHARGED, OR CALENDAR DAYS EXPIRED DUE TO THE LOSS OF TIME OR DELAY DURING THE RE-SUBMITTAL PROCESS TO PROCURE ANY NECESSARY PERMIT(S) DUE TO THE CONTRACTOR CHOOSING ALTERNATE/MODIFIED CONSTRUCTION METHOD(S). ABSOLUTELY NO CONSTRUCTION ACTIVITIES WILL TAKE PLACE WITHOUT THE PROPER PERMITS BEING SECURED.
9. ALL ELEVATIONS SHOWN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
10. IDOT DISTRICT 2 OPERATIONS TRAFFIC SIGNAL SECTION SHALL BE CONTACTED AT 815-284-2271 FOR CONTROLLER PROGRAMMING AND TIMING APPROVAL PRIOR TO ACTIVATING THE TEMPORARY BRIDGE TRAFFIC SIGNALS.
11. SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
13. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDIAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE.
 - THE EDGE OF A CENTERLINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A CRACK OR JOINT.
 - EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFICE CONTROL ITEMS.

COMMITMENTS

- NONE

GENERAL NOTES (CONTINUED)

14. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
 - ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
 - ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
 - THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
 - CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE- WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
15. THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MICTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.
16. THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.
17. RELOCATE TEMPORARY IMPACT ATTENUATORS SHALL INCLUDE STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE DEVICE IS NOT NEEDED FOR A TIME, AS SHOWN ON THE STAGING PLANS. THIS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.
18. WHEN RELOCATED TEMPORARY CONCRETE BARRIER IS SPECIFIED, THE WALL SHALL BE REMOVED, STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE WALL IS NOT NEEDED FOR A TIME AS SHOWN ON THE STAGING PLANS, RELOCATED AND REINSTATED AT THE NEW LOCATION, THE REINSTALLATION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR A NEW INSTALLATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.
19. THE CONTRACTOR SHALL CONFINE HIS/HER OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMITS SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.
20. AREAS OF DECK REPAIRS ARE SHOWN AS ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

MODEL - GENERAL NOTES (Sheet) #089-003B03B-CADD Sheets\089-003B - sht 002 - General Notes.dgn



BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1970 WEST LAFAYETTE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217-245-4146 FAX: 217-245-4148
 IL DESIGN FIRM REGISTRATION NO. 194-000882

USER NAME =	gsturgeon
PLOT SCALE =	=\$SCALE\$
PLOT DATE =	4/2/2026

DESIGNED -	MBH
DRAWN -	GJS
CHECKED -	WJS
DATE -	

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS,
 COMMITMENTS & MIXTURE REQUIREMENTS**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. ___+___ TO STA. ___+___

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109 BR) BRR	STEPHENSON	31	2
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

MODEL: SQ01
 FILE NAME: P:\25E4183-1\Structure #89-0038\Design\CADD Sheets\89-0038 - sht 003 - SQ0.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STEPHENSON COUNTY 80% FED/20% STATE	
				ROADWAY	BRIDGE
				0059	0059
				URBAN	S.N. 089-0038
50102400	CONCRETE REMOVAL	CU YD	23.5		23.5
50157300	PROTECTIVE SHIELD	SQ YD	575		575
50300255	CONCRETE SUPERSTRUCTURE	CU YD	25.5		25.5
50300300	PROTECTIVE COAT	SQ YD	1970		1970
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5280		5280
50800515	BAR SPLICERS	EACH	24		24
52000110	PREFORMED JOINT STRIP SEAL	FOOT	128		128
53016000	DECK SLAB REPAIR (PARTIAL)	SQ YD	1		1
53016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	1		1
53101002	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1198		1198
53101005	BRIDGE DECK SCARIFICATION 1 1/2"	SQ YD	232		232
53101408	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4"	SQ YD	1198		1198
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	3		3
59000200	EPOXY CRACK INJECTION	FOOT	18		18

USER NAME = gsturjeon	DESIGNED - GJS	REVISED -
	DRAWN - GJS	REVISED -
	CHECKED - WJS	REVISED -
PLOT DATE = 4/3/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
SN 089-0038**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	3
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

MODEL: SCQ 2
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STEPHENSON COUNTY 80% FED/20% STATE	
				ROADWAY 0059 URBAN	BRIDGE 0059 S.N. 089-0038
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	1	1
67100100	MOBILIZATION	L SUM	1	1	
70102621	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	EACH	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1559	1559	
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	4676	4676	
70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	48	48	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	329.3	329.3	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	215.3	215.3	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1	
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2	

USER NAME = gsturjeon	DESIGNED - GJD	REVISED -
	DRAWN - GJS	REVISED -
	CHECKED - WJS	REVISED -
PLOT DATE = 4/3/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
SN 089-0038**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	4
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

MODEL: SQ0_3 Sheet
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STEPHENSON COUNTY 80% FED/20% STATE	
				ROADWAY	BRIDGE
				0059	0059
				URBAN	S.N. 089-0038
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	1	1	
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	154	154	
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1687	1687	
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	61	61	
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	91	91	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	965	965	
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1531		1531
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	1		1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1467		1467
Z0032400	JOINT REPAIR	EACH	26		26
Z0053750	RETROFIT CONCRETE PARAPET	FOOT	455		455
Z0041895	POLYMER CONCRETE	CU FT	4.4		4.4
X5310048	APPROACH SLAB LATEX CONCRETE OVERLAY, VARIABLE DEPTH	SQ YD	232		232

*= SPECIALTY ITEM

USER NAME = gsturjeon	DESIGNED - GJS	REVISED -
	DRAWN - GJS	REVISED -
	CHECKED - WJS	REVISED -
PLOT DATE = 4/3/2026	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 SN 089-0038**

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	5
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

TEMPORARY PAVEMENT MARKING SCHEDULE											
LOCATION				70300150	70307120	70307210	70400100	70400200	70600250	70600255	70600322
STATION	TO	STATION	OFFSET	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 4" TAPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 24" TAPE IV TAPE	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 EACH	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 EACH	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 EACH
				SQ FT	FT	FT	FT	FT			
STAGE 1											
002+40.00	-	002+97.00	0.0' RT	38.0	114.0						
002+40.00		003+52.00	0.0' RT - 14.75' RT	75.1	225.3						
002+97.00	-	003+75.00	0.0' RT - 14.75' RT	52.9	159						
002+97.00		003+90.00	26.0' RT - 4.5' RT	32.6	97.9						
003+52.00	-	003+75.00	14.75'	15.0	45.0						
003+75.00		007+35.00	14.75'	240.0	720.0						
003+75.00		007+35.00	4.5' RT	120.0	360.0						
000+04.00										1	
004+17.75	-	006+83.75	1.5' RT				266.0				
006+83.75		007+46.40	1.5' RT - 6.0' LT				63.3				
007+35.00	-	009+57.00	4.5' RT - 26.0' LT	74.7	224.1						
007+46.40									1		
007+35.00		009+00.00	14.75' RT - 7.0' LT	55.5	166.4						
007+97.40		008+60.40	7.0' RT	21.0	63.1						
008+60.40		009+00.00	7.0' RT - 7.0' LT	13.9	41.8						
STAGE 1 - SUBTOTAL				739	2216	0	329	0	1	1	0
STAGE 2											
002+00.00	-	003+75.00	19.9' RT - 3.5' LT	58.9	176.7						
002+00.00	-	003+12.00	0.0' LT - 14.5' LT	37.7	113.0						
002+00.00		002+62.00	0.0' LT	20.7	62.0						
002+62.00		003+75.00	0.0' LT - 14.5' LT	38.0	113.9						
003+75.00	-	007+43.00	14.5' LT	245.3	736.0						
003+75.00	-	007+43.00	3.5' LT	122.7	368.0						
003+81.47						12					
004+06.92	-	004+24.67	0.0' LT								1.0
004+24.67	-	006+40.00	0.0' LT					215.3			
006+40.00	-	006+57.75	0.0' LT							1	
007+10.44						36					
007+43.00	-	008+85.00	14.5' LT	47.3	142.0						
007+43.00	-	009+10.00	14.5' LT - 7.0' RT	54.5	163.4						
007+43.00	-	009+65.00	14.5' LT - 26.0' RT	74.7	224.0						
007+43.00	-	009+65.00	14.5' LT - 7.0' LT	70.7	212.0						
008+85.00	-	009+65.00	14.5' LT - 7.0' LT	26.6	79.7						
STAGE 2 - SUBTOTAL				819.9	2460	48	0	215	0	1	1
TOTAL				1559	4676	48	329.3	215.3	1	2	1

PAVEMENT MARKING REMOVAL - WATER BLASTING				
SN #089-0038 - PRE STAGE				78300202
LOCATION				AREA
STATION	TO	STATION	OFFSET	SQ FT
002+40.00	-	004+59.33	-	146.2
004+59.33	-	006+73.60	RT	142.8
004+59.33	-	006+64.36	LT	136.7
004+59.33	-	006+73.60	-	142.9
005+50.96				47.0
005+50.96	-	006+00.96	LT	132.7
006+00.96				45.0
006+64.36	-	006+73.60	-	8.7
007+97.36	-	009+65.00	LT	65.9
007+97.36	-	009+65.00	RT	65.9
007+97.36	-	009+65.00	-	31.2
SUBTOTAL				965.0
TOTAL				965

MODIFIED URETHANE PAVEMENT MARKING								
SN #089-0038 - POST STAGE				78009000	78009004	78009012	78009024	
LOCATION				LETTER/SYMBOL	LINE - 4"	LINE - 12"	LINE - 24"	
STATION	TO	STATION	OFFSET	TYPE	SQ FT	FT	FT	
002+40.00	-	004+59.33	-	4" - DOUBLE YELLOW		438.7		
002+55.87				24" WHITE			19.8	
003+24.42				24" WHITE			25.4	
004+59.33	-	006+64.36	0.0' LT - 4.6' LT	4" - DOUBLE YELLOW		410.2		
004+59.33	-	006+68.00	0' LT - 4.6' RT	4" - DOUBLE YELLOW		419.0		
004+59.33	-	006+73.60	-	12" YELLOW (MEDIAN HATCH)		60.9		
005+75.00				24" WHITE			23.5	
005+75.00	-	006+25.00	LT	RR CROSSING	122.4			
006+25.00				24" WHITE			22.5	
006+64.36		006+68.00	4.6' LT - 4.6' RT	4" - DOUBLE YELLOW		24.1		
007+97.36	-	009+65.00	7.0' LT	4" - YELLOW SOLID & SKIP		197.6		
007+97.36	-	009+65.00	7.0' RT	4" - YELLOW SOLID & SKIP		197.6		
007+97.36	-	009+65.00	-	LT TURNARROW	31.2			
SUBTOTAL					153.6	1,687.1	60.9	91.1
TOTAL					154	1,687	61	91

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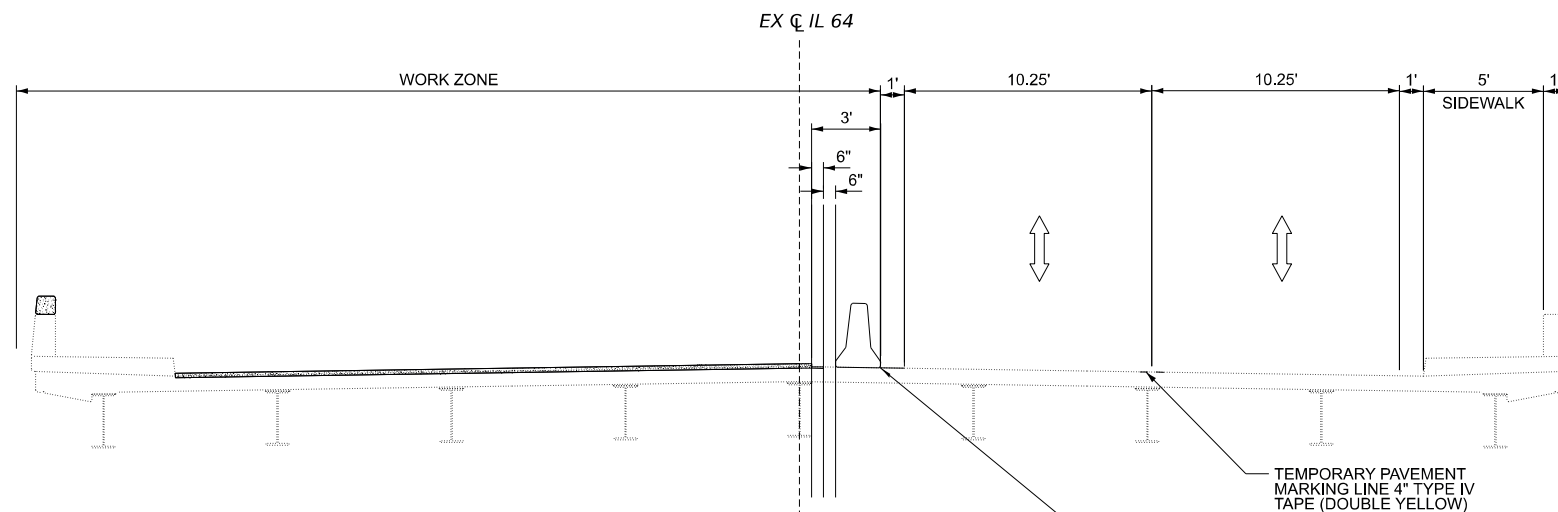
USER NAME = gsturjeon	DESIGNED - GJS	REVISED -
	DRAWN - GJS	REVISED -
	CHECKED - WJS	REVISED -
PLOT DATE = 4/2/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
SN 089-0038

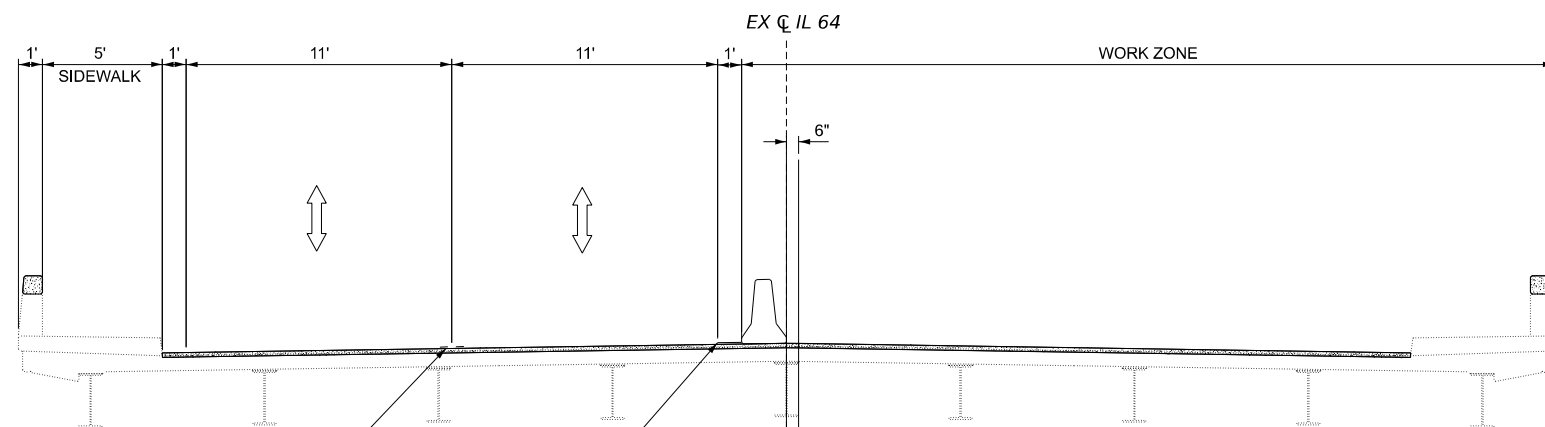
SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 0+01.73 TO STA. 15+01.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	6
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				



STAGE 1 CONSTRUCTION

STA 04+24.00 TO STA 06+39.33
(LOOKING EAST)



STAGE 2 CONSTRUCTION

STA 04+24.00 TO STA 06+39.33
(LOOKING EAST)

STAGE CONSTRUCTION NOTES

PRE STAGE - SEQUENCE OF CONSTRUCTION

1. PLACE "MAX WIDTH" SIGNING AT LOCATIONS SHOWN IN THE PLANS.
2. SET UP STAGE 1 TRAFFIC CONTROL UTILIZING THESE PLANS.

STAGE 1 - SEQUENCE OF CONSTRUCTION

1. PERFORM STAGE 1 REMOVAL AND PROPOSED CONSTRUCTION FOR SN 089-0038.

STAGE 2 - SEQUENCE OF CONSTRUCTION

1. FOLLOWING COMPLETION OF STAGE 1 CONSTRUCTION, REMOVE STAGE 1 TEMPORARY PAVEMENT MARKINGS.
2. SET UP STAGE 2 TRAFFIC CONTROL UTILIZING THESE PLANS.
3. PERFORM STAGE 2 REMOVAL AND PROPOSED CONSTRUCTION FOR SN 089-0038.

POST STAGE - SEQUENCE OF CONSTRUCTION

1. FOLLOWING THE CONSTRUCTION OF THE PROPOSED CONSTRUCTION WORK FOR THE STRUCTURE, REMOVE TEMPORARY CONCRETE BARRIERS, ATTENUATORS, TEMPORARY PAVEMENT MARKINGS, STOP BARS, ETC. PLACE SHORT TERM PAVEMENT MARKING PRIOR TO OPENING TO TWO-WAY TRAFFIC. PLACE PERMANENT PAVEMENT MARKINGS AND PAINT STEEL ON STRUCTURE UTILIZING APPROPRIATE HIGHWAY STANDARDS.

TRAFFIC CONTROL NOTES:

1. ALL OFFSETS IN THIS DETAIL REFER TO THE EDGE OF BARRIER OR PAVEMENT MARKING LINE NEAREST TO LIVE TRAFFIC. OUTSIDE PAVEMENT MARKING LINE SHALL BE OFFSET 10' PARALLEL.
2. A QUANTITY OF 625 FEET OF TEMPORARY PAVEMENT MARKING LINE, 6" HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM VERTICAL 6" OF THE TEMPORARY CONCRETE BARRIERS ON BOTH SIDES. COLOR OF MARKING LINE SHALL BE YELLOW.
3. WHERE PERMANENT RRPM ARE PRESENT AND CONFLICT WITH THE REVISED TRAFFIC PATTERNS, ONLY THE REFLECTORS SHALL BE REMOVED.

MODEL: Sheet 1
FILE NAME: P:\25E4183-1\Structure #089-0038\Design\CADD_Sheets\089-0038 - sht.007 - MOT Typical.sgm



USER NAME =	DESIGNED MBH	REVISED -
CHECKED WJS	REVISIONS	REVISED -
PLOT SCALE =	DRAWN GJS	REVISED -
PLOT DATE =	CHECKED WJS	REVISED -

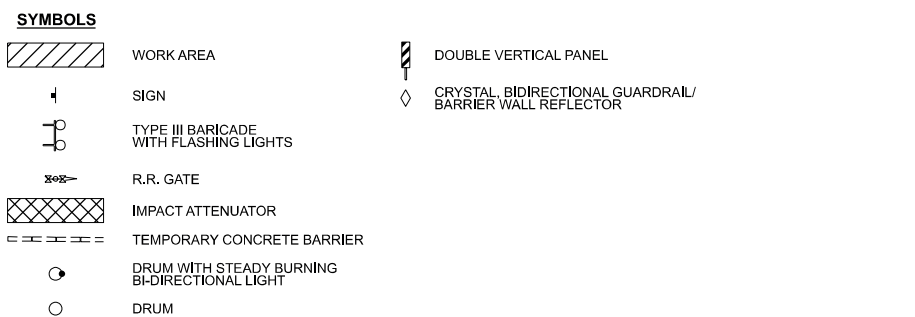
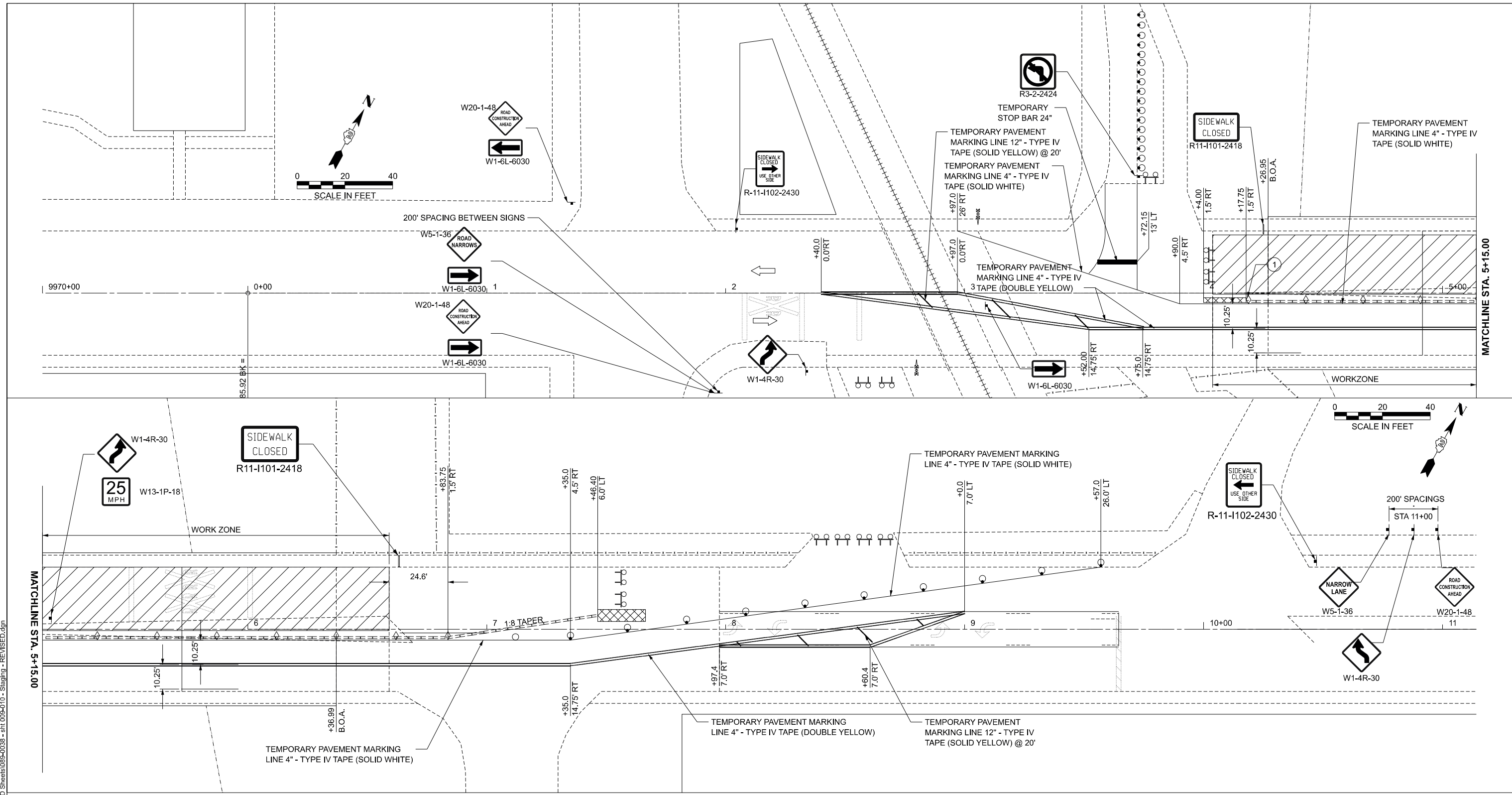
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
SN 089-0038 OVER PECATONICA RIVER

SHEET 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109 BR)BRR	STEPHENSON	31	7
			CONTRACT NO. 64T58	
		ILLINOIS	FED. AID PROJECT	

MODEL: IL75-STEPHENSON-Stage 2-Plan 1 [Sheet]
 FILE NAME: P:\25E418-1\Structure\089-0038\Design\CADD\Sheets\089-0038 - sht 009-010 - Staging - REVISED.dgn



- ① GUARDRAIL/BARRIER WALL REFLECTORS AT 25' CENTERS. SEE STANDARD 704001 AND STANDARD 782006.
- ② BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF THE WALL

USER NAME = gsturjeon	DESIGNED - GJS	REVISED -
	DRAWN - GJS	REVISED -
	CHECKED - WJS	REVISED -
PLOT DATE = 4/2/2026	DATE -	REVISED -

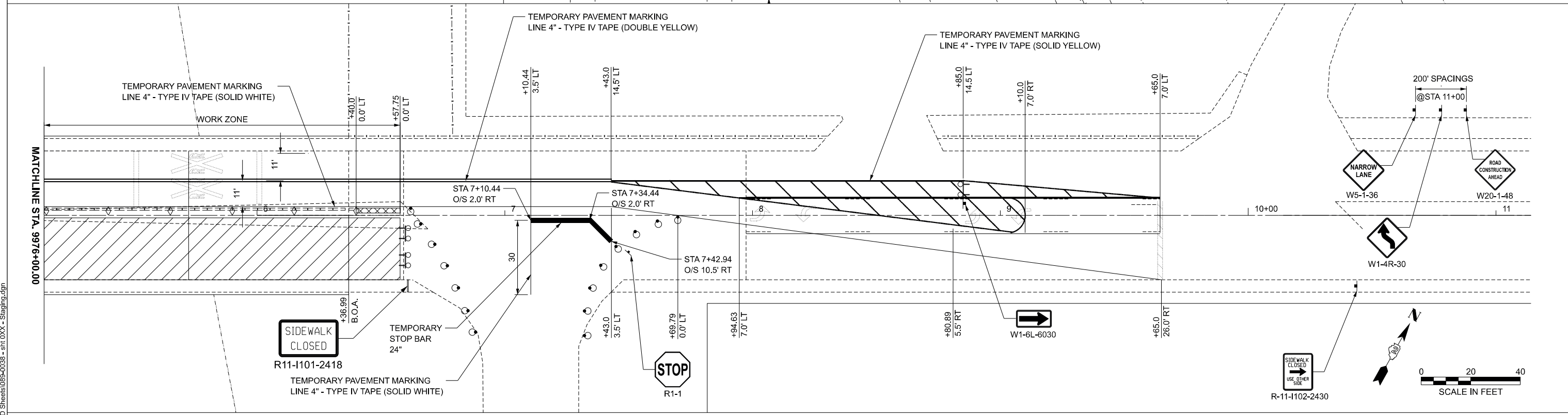
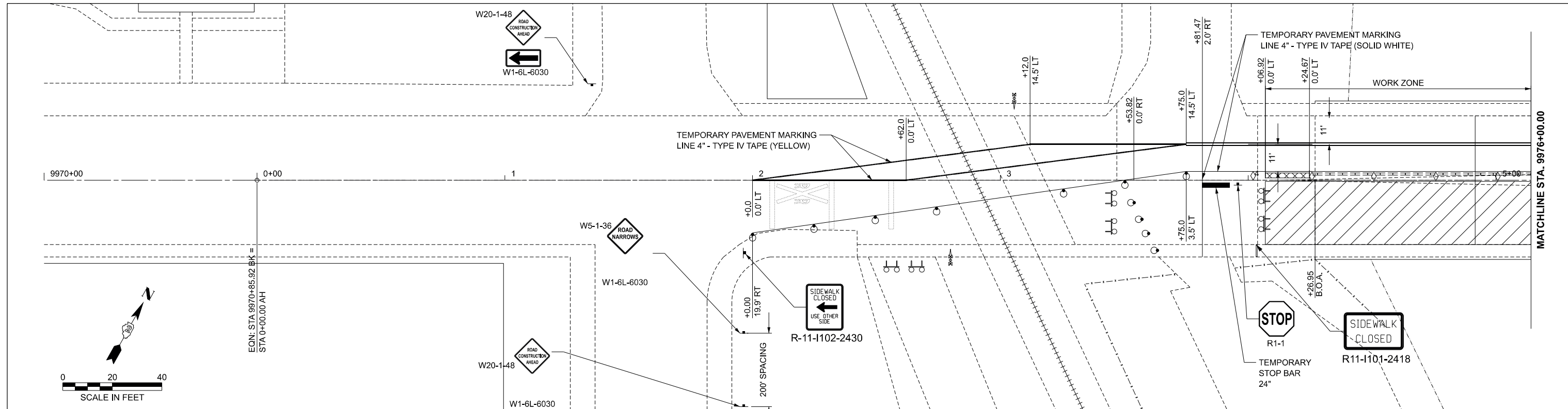
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 1 PLANS
 SN 089-0038 OVER PECATONICA RIVER**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 9970+00.00 TO STA. 9982+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109 BR)BRR	STEPHENSON	31	8
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

MODEL: Stage 1-Plan 1 - Stage 1-Plan 1 [Sheet]
 FILE NAME: P:\25E4183-1\Structure\089-0038\Design\Design\ADD Sheets\089-0038 - sht 0XX - Staging.dgn



SYMBOLS

- WORK AREA
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- R.R. GATE
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- DRUM

- DOUBLE VERTICAL PANEL
- CRYSTAL BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR

- ① GUARDRAIL/BARRIER WALL REFLECTORS AT 25' CENTERS. SEE STANDARD 704001 AND STANDARD 782006.
- ② BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF THE WALL

USER NAME = gsturjeon	DESIGNED - GJS	REVISED -
	DRAWN - GJS	REVISED -
	CHECKED - WJS	REVISED -
PLOT DATE = 4/2/2026	DATE -	REVISED -

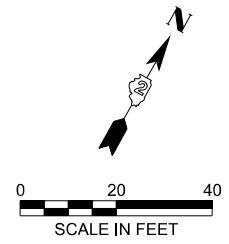
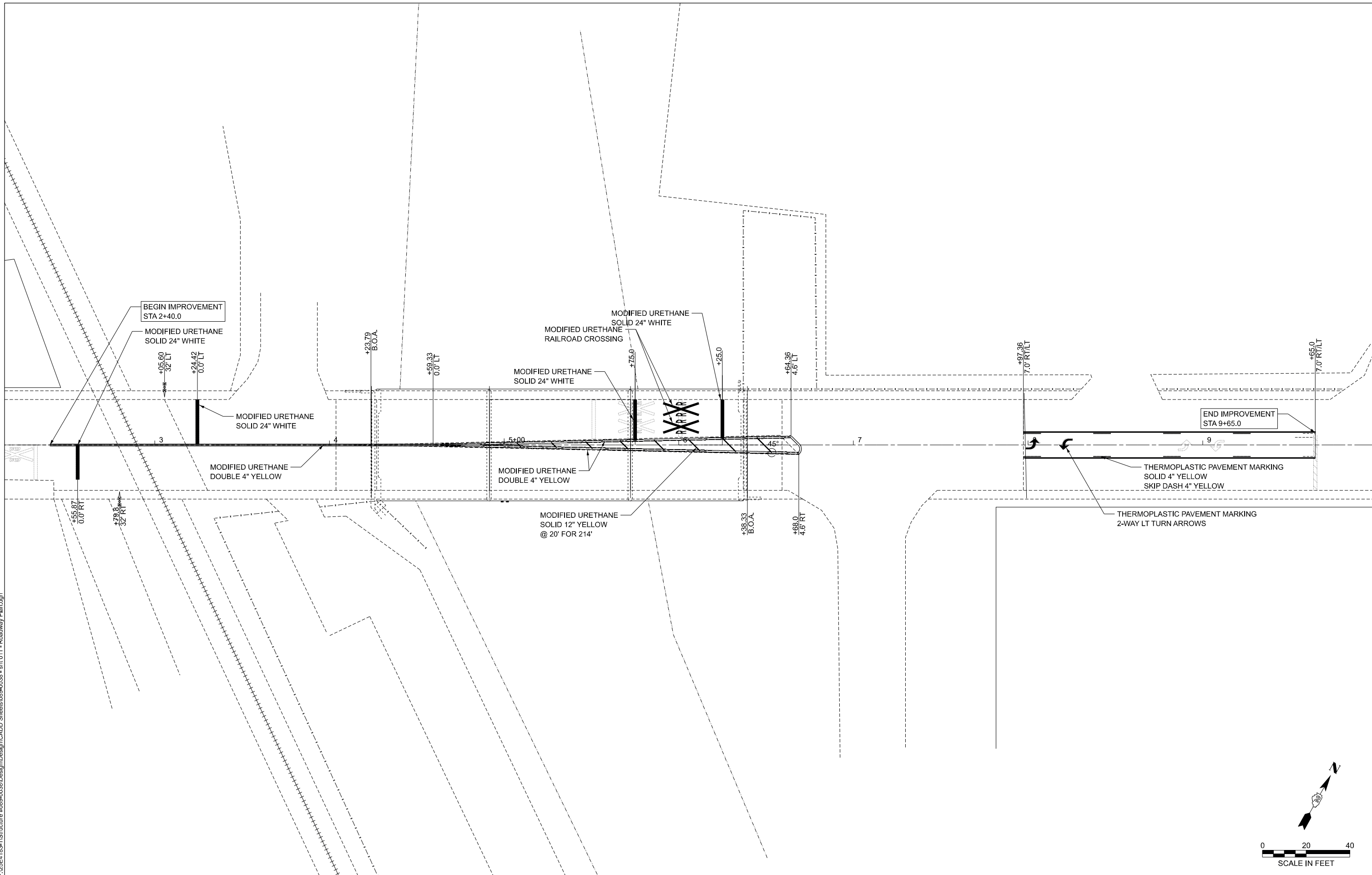
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 2 PLANS
 SN 089-0038 OVER PECATONICA RIVER**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 9970+00.00 TO STA. 9982+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109 BR)BR	STEPHENSON	31	9
CONTRACT NO. 64T58			ILLINOIS FED. AID PROJECT	

MODEL: STRUC_39 (Sheet)
 FILE NAME: P:\26E4183-1\Structure #089-0038\Design\CADD Sheets\089-0038 - sht 011 - Roadway Plan.dgn



USER NAME = gsturjeon	DESIGNED - GJS	REVISED -
	DRAWN - GJS	REVISED -
	CHECKED - WJS	REVISED -
PLOT DATE = 4/1/2026	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 SN 089-0038 OVER PECATONICA RIVER**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109 BR)BRR	STEPHENSON	31	10
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

Benchmark: BM #4 N.E. Nut Hyd., H.W. Cor. Liberty & Stephenson St., Sta. 01+26, 24' Left, Elev. 768.98
 BM #5 N. Nut Hyd., N. Side Stephenson St., 30' East of East Abut. Sta.06+68, 25' Left, Elev. 765.69
 BM #6 N. Nut Hyd., N.E. Cor. Stephenson St. & Commercial Ave. Sta. 09+16, 25' Left, Elev. 763.85
 BM #7 Chiseled "□" Top Stonewall Sta. 04+73, 108' Right, Elev. 761.50
 BM #8 Chiseled "□" Top Concrete Wall Sta. 04+26, 35' Right, Elev. 761.48

DESIGN SPECIFICATIONS (EXIST.)

1977 AASHTO with 1978 thru 1983 Interim Specifications

Existing Structure: Structure 089-0038 was constructed in 1947 as a single span steel through truss. The structure was replaced with a three-span steel beam structure in 1983. The structure consist of continuous W27 wide flange beams and 7½" concrete deck. The bridge is 215'-4" back to back of abutments and has spans measuring 64'-7", 80'-10", and 64'-7". The overall bridge width is 64'-0" out to out with 52'-0" roadway width and 5'-0" sidewalks on both sides. The bridge has no skew. The substructure consists of reinforced concrete stub abutments and multi-column piers on steel H Piles.

Traffic to maintained utilizing staged construction.

No Salvage

DESIGN STRESSES

FIELD UNITS (EXIST.)

f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)
 fy = 50,000 psi (Structural) M-222
 fy = 36,000 psi (Structural) M-183

FIELD UNITS (NEW CONST.)

f'c = 4,000 psi (Superstructure)
 fy = 60,000 psi (Reinforcement)

LOADING HS-20-44

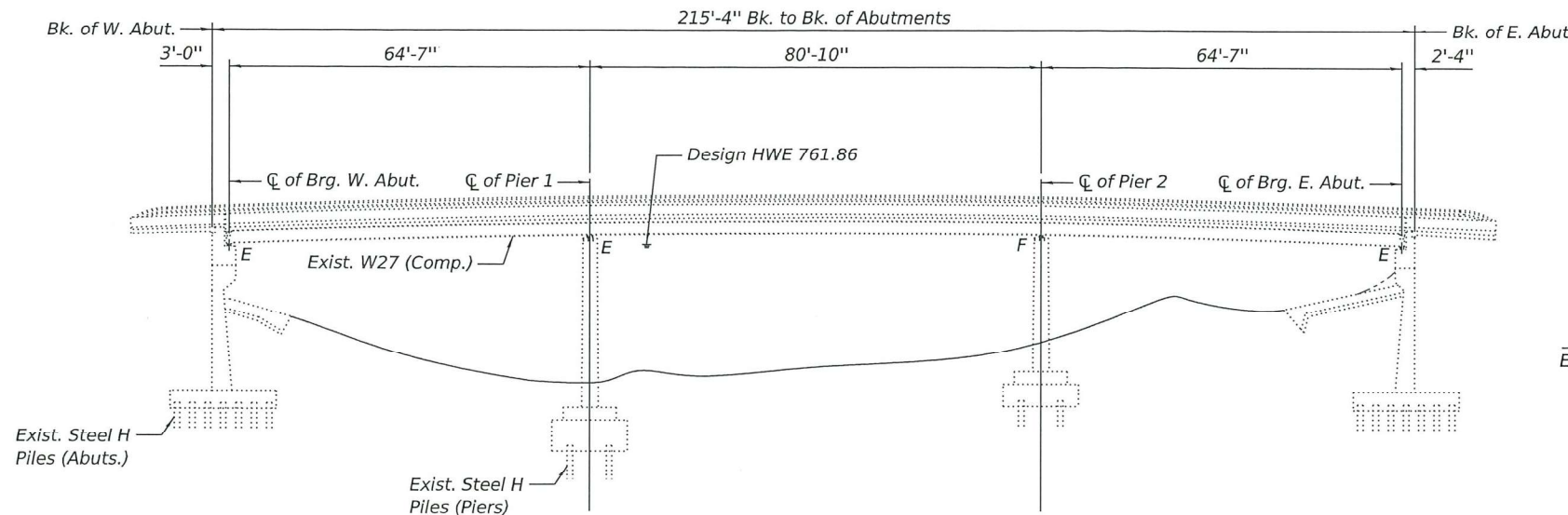
Allow 25#/sq. ft. for future wearing surface.

INDEX OF SHEETS

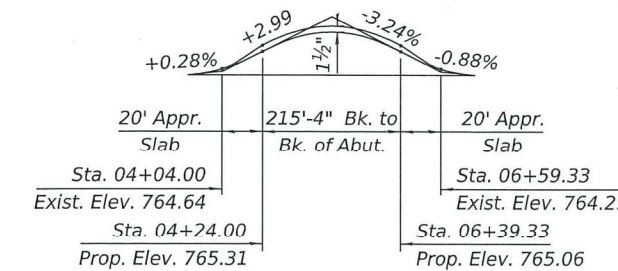
1. General Plan and Elevation
2. General Data
3. Temporary Concrete Barrier
4. Deck Repairs
5. W. Abutment Joint Removal and Replacement
6. E. Abutment Joint Removal and Replacement
7. Joint Removal and Replacement Details
8. Preformed Joint Strip Seal - Sidewalk
9. Preformed Joint Strip Seal - Sidewalk
10. Parapet Extension Details
11. Bar Splicer Assembly and Mechanical Splicer Details

SCOPE OF WORK

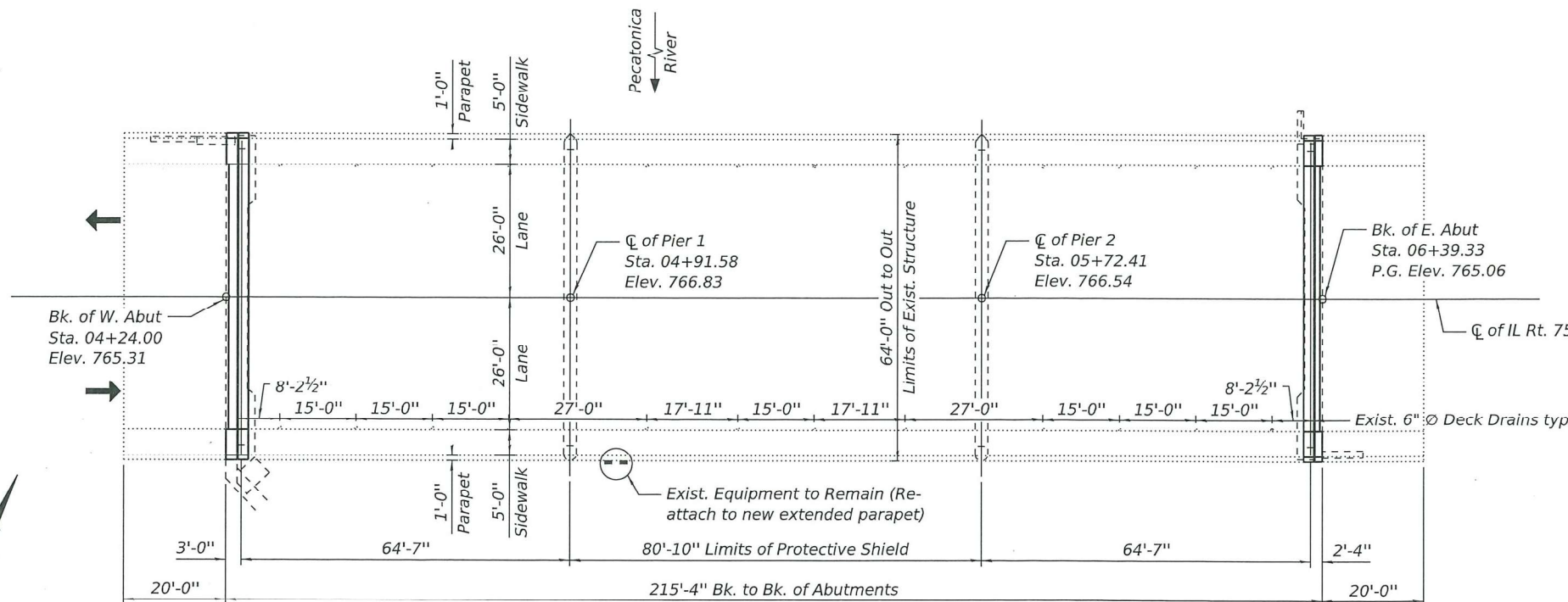
1. Perform ¾" Bridge Deck scarification and perform full depth deck repairs.
2. Perform 1½" Approach Slab scarification.
3. Remove & Replace expansion joints at abutments.
4. Perform partial deck repairs and place 2¼" bridge latex overlay.
5. Clean and reseal pavement relief joints.
6. Place variable depth latex overlay on approach slabs.
7. Perform ¼" diamond grinding on deck overlay & approach slabs.
8. Perform Bridge Deck grooving on deck overlay & approach slabs.
9. Perform retrofit of parapets.
10. Apply protective coat to deck and parapets.



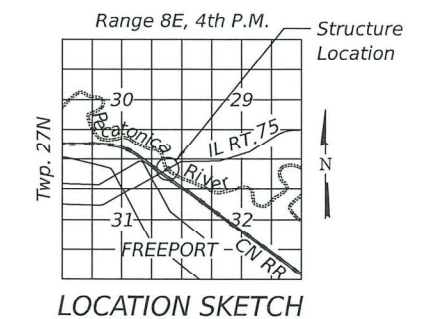
ELEVATION



PROPOSED PROFILE GRADE



PLAN



GENERAL PLAN AND ELEVATION
IL RT. 75 (STEPHENSON ST.) OVER PECATONICA RIVER
FAP RT. 505 SECTION (109BR)BRR
STEPHENSON COUNTY
STATION 5+31.67
STRUCTURE NO. 089-0038

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND ELEVATION
 SN 089-0038 OVER PECATONICA RIVER

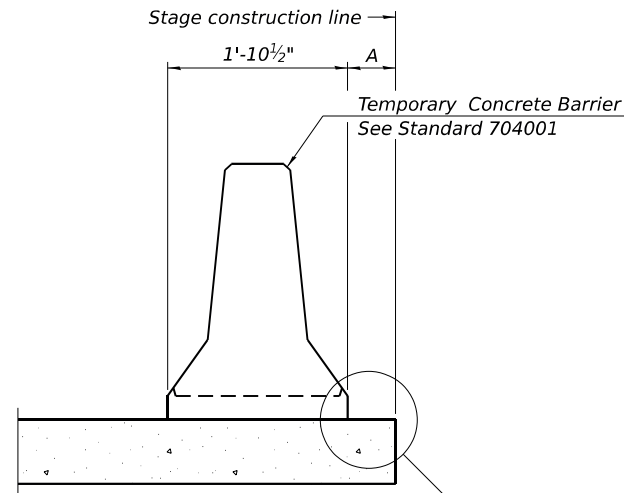
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	11
ILLINOIS			CONTRACT NO. 64T58	
FED. AID PROJECT				

SHEET 1 OF 11 SHEETS

MODEL: Sheet 1
 FILE NAME: P:\2024\483-1\Design\Plans\089-0038\001 - D2-64T58 - 0890038 - IL-75 over Pecatonica River - General Plan and Elevation.dgn

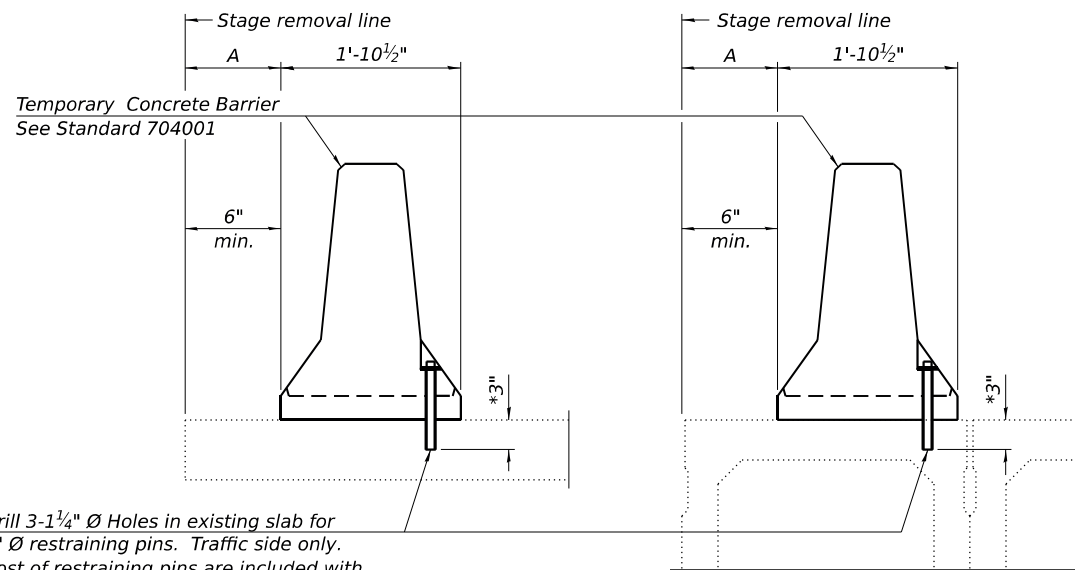


USER NAME =	DESIGNED CML	REVISED -
PLOT SCALE =	CHECKED MBH	REVISED -
PLOT DATE = 5/7/2026	DRAWN CML	REVISED -
	CHECKED MBH	REVISED -



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



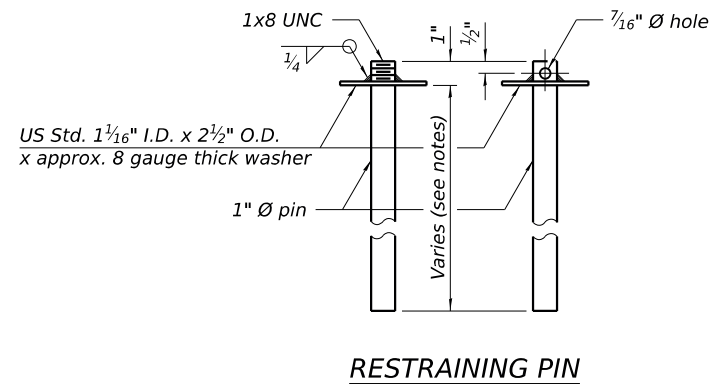
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

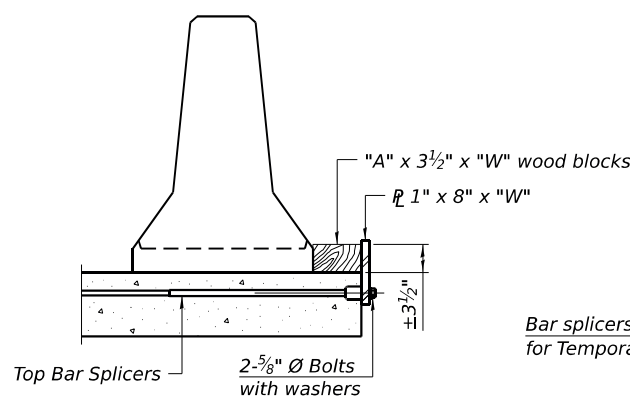
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

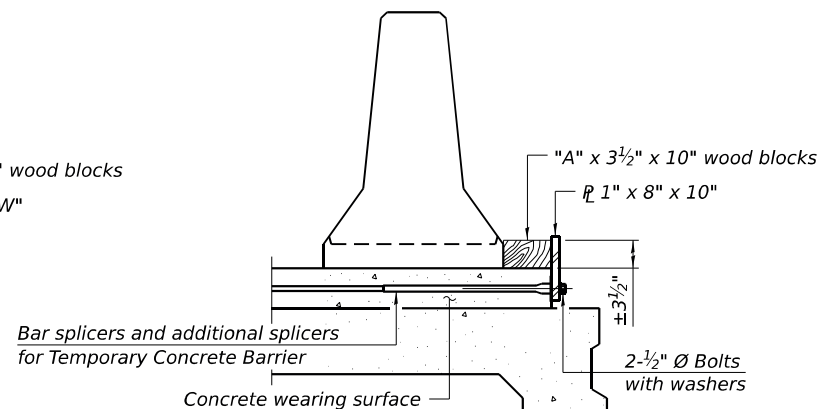
SECTIONS THRU SLAB OR DECK BEAM



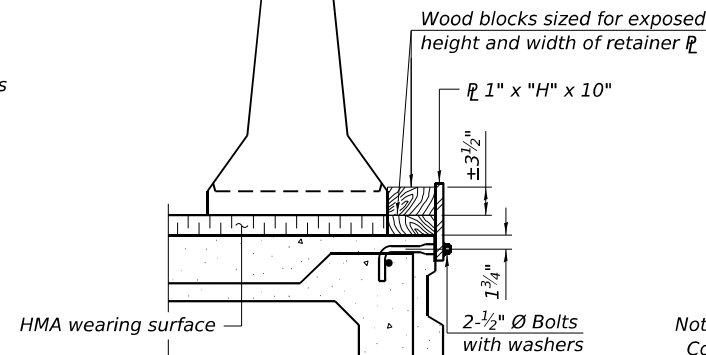
RESTRAINING PIN



DETAIL I



DETAIL II



DETAIL III

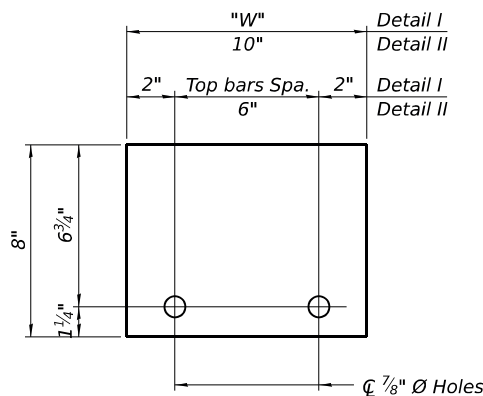
BAR SPLICER FOR #4 BAR - DETAIL III

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate C of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate.
 For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

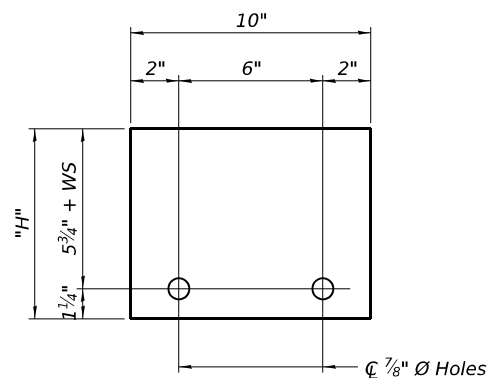
Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.



STEEL RETAINER 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER 1" x "H" x 10"
(Detail III)

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

MODEL: Sheet 1
 FILE NAME: P:\2025\1133-1\Drawings\Plans\089-0038\003 - D2-64T58 - 0890038 - IL-75 over Pecatonica River - Temporary Concrete Barrier.dgn

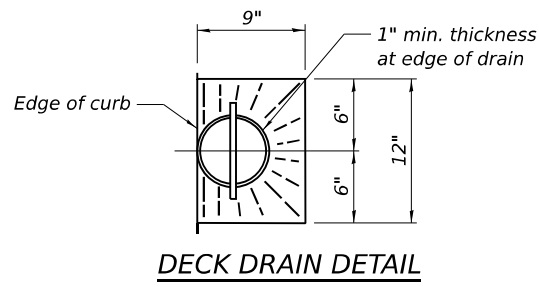
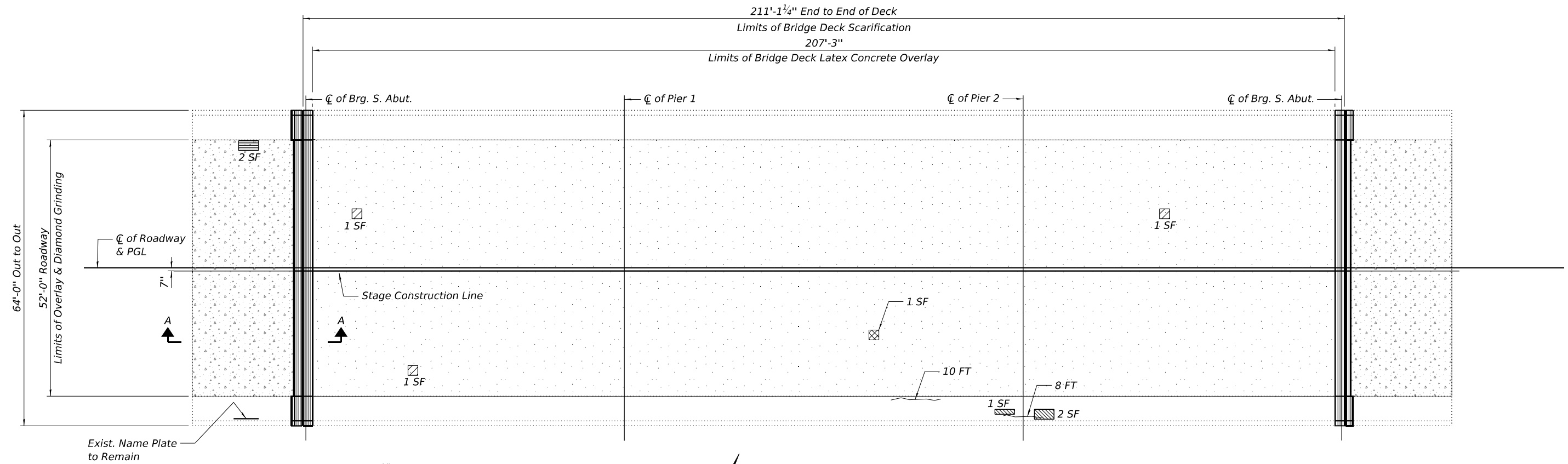
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		CHECKED MBH	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

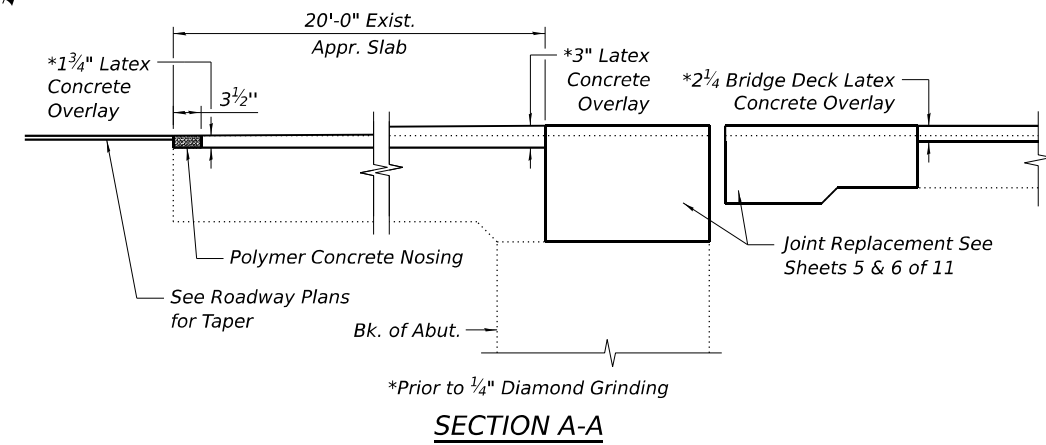
TEMPORARY CONCRETE BARRIER
 SN 089-0038 OVER PECATONICA RIVER

SHEET 3 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	13
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

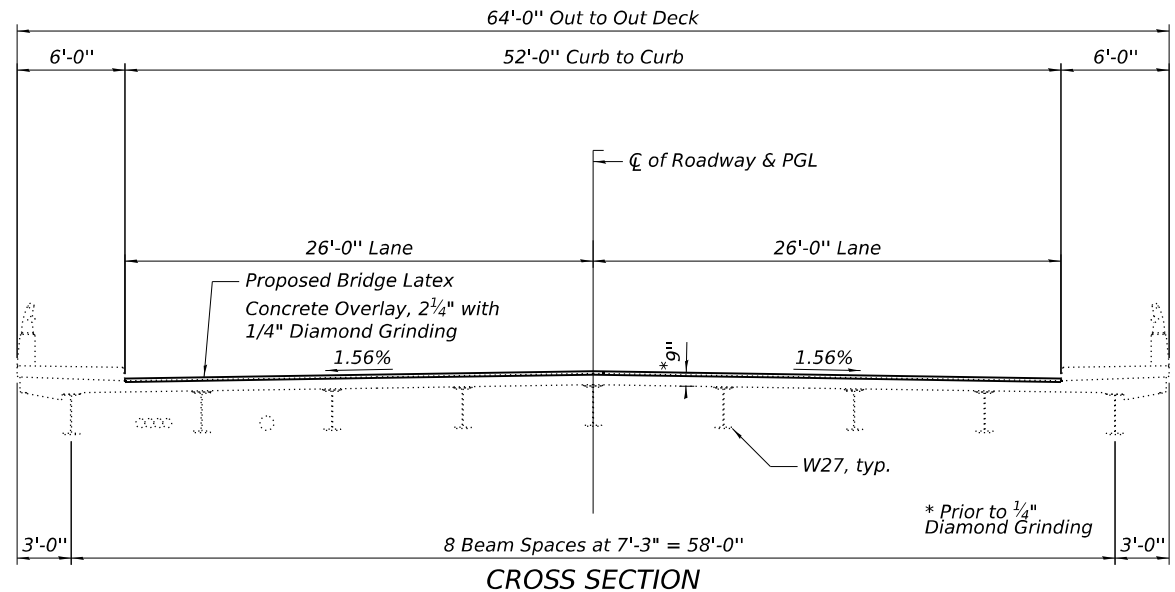


DECK PLAN



LEGEND

- Approach Slab Repair (Partial Depth)
- Deck Slab Repair (Partial) (Information Only)
- Deck Slab Repair (Full Depth, Type I)
- Structural Repair of Concrete (Depth Equal to or less than 5 inches)
- Joint Removal and Replacement
- Epoxy Crack Injection
- Bridge Deck Latex Concrete Overlay, 2 1/4\"/>
- Bridge Deck Scarification, 3/4\"/>
- Approach Slab Latex Concrete Overlay, Variable Depth Bridge Deck Scarification, 1 1/2\"/>



CROSS SECTION

BILL OF MATERIAL

Item	Unit	Total
Protective Coat	Sq. Yd.	1451
Epoxy Crack Injection	Foot	18
Approach Slab Repair (Partial Depth)	Sq. Yd.	1
Bridge Deck Latex Concrete Overlay, 2 1/4\"/>		
Approach Slab Latex Concrete Overlay, Variable Depth	Sq. Yd.	232
Bridge Deck Scarification, 3/4\"/>		
Bridge Deck Scarification, 1 1/2\"/>		
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	1
Structural Repair of Concrete (Depth Equal to or less than 5 inches)	Sq. Ft.	3
Diamond Grinding (Bridge Section)	Sq. Yd.	1220
Polymer Concrete	Cu. Ft.	4.4

Notes:
 Repair areas are estimated. Actual type, location, and dimensions are to be determined by the Engineer during construction and documented on as-built plans.
 Protective coat shall be applied to the top surface of the concrete overlay and to the concrete at the proposed joint replacement.
 A nominal area of Deck Slab Repair (Full Depth Type I) was provided. Actual locations and size shall be recorded in the as-builts.

MODEL: Sheet 1
 FILE NAME: P:\2025\183-1\Drawings\Plans\089-0038\004 - D2-64T58 - 0890038 - IL-75 over Pecatonica River - Deck Repairs.dgn
 5/7/2026 6:10:29 PM

BENTON ENGINEERING
 ILLINOIS PROFESSIONAL ENGINEERING REGISTRATION BOARD
 LICENSE NO. 021000000
 JACKSONVILLE, ILLINOIS
 VINCELOTTA, ILLINOIS

USER NAME =	DESIGNED CML	REVISIONS
CHECKED MBH	REVISIONS	
PLOT SCALE =	DRAWN CML	REVISIONS
PLOT DATE = 5/7/2026	CHECKED MBH	REVISIONS

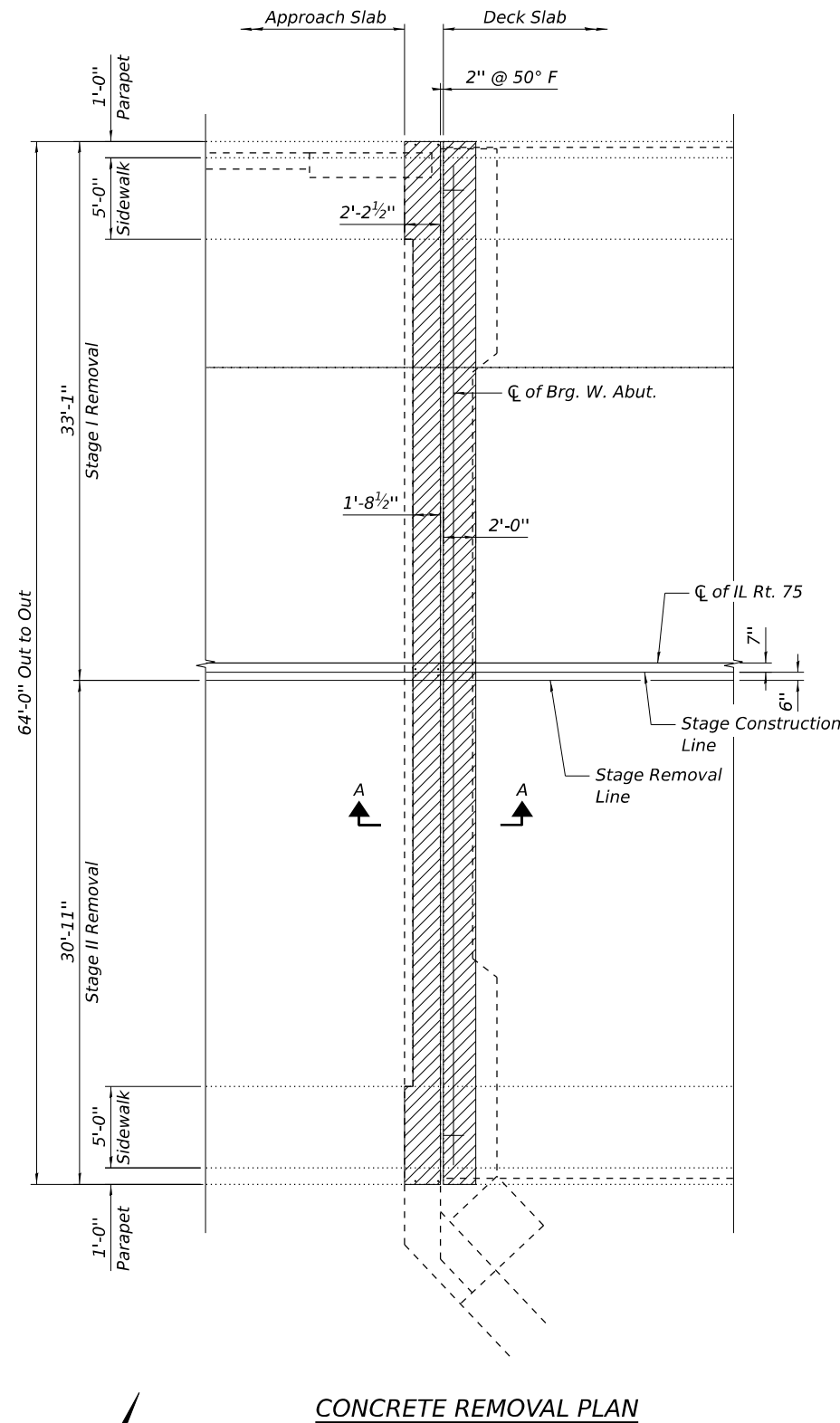
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR
 SN 089-0038 OVER PECATONICA RIVER**

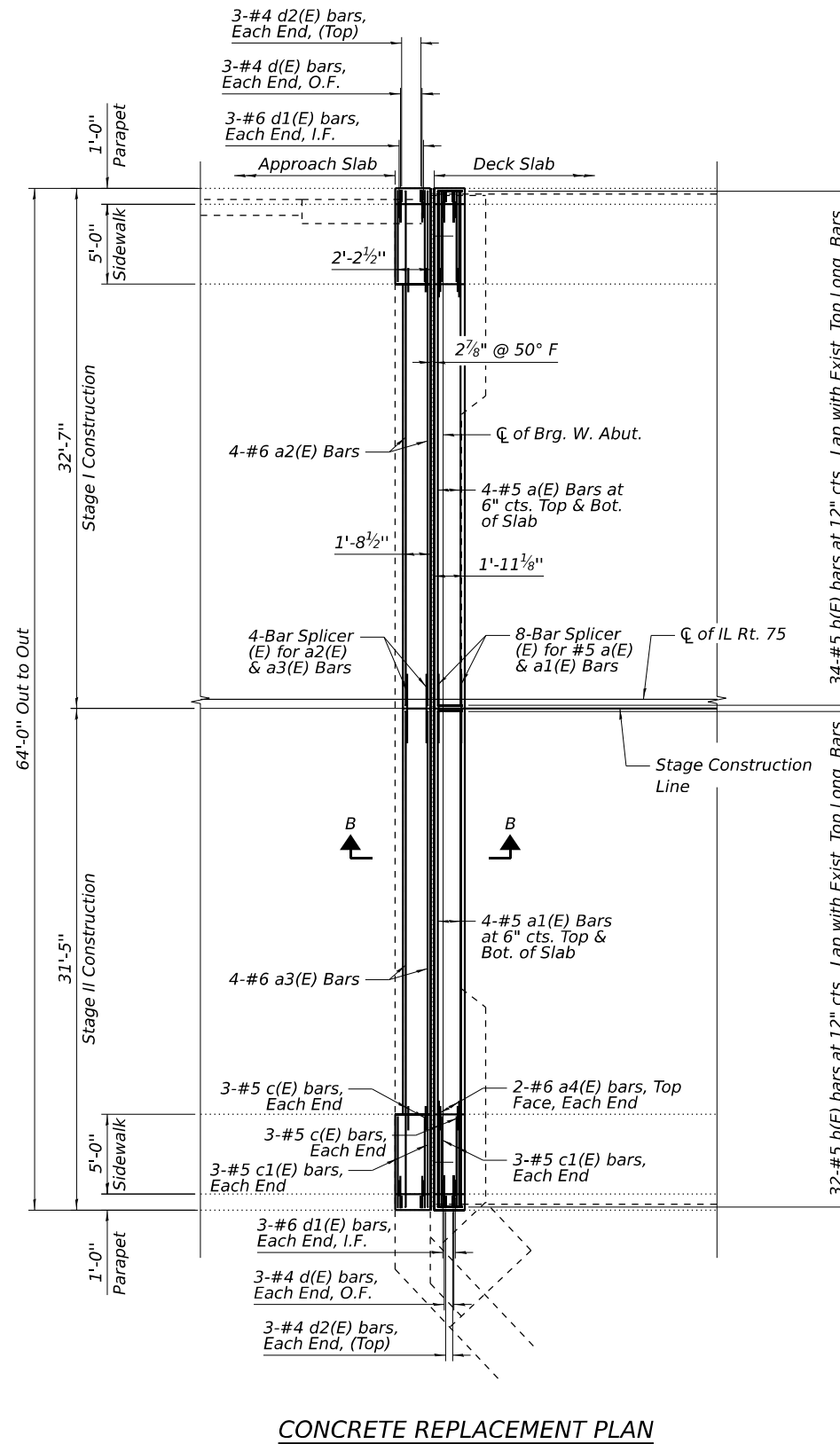
SHEET 4 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

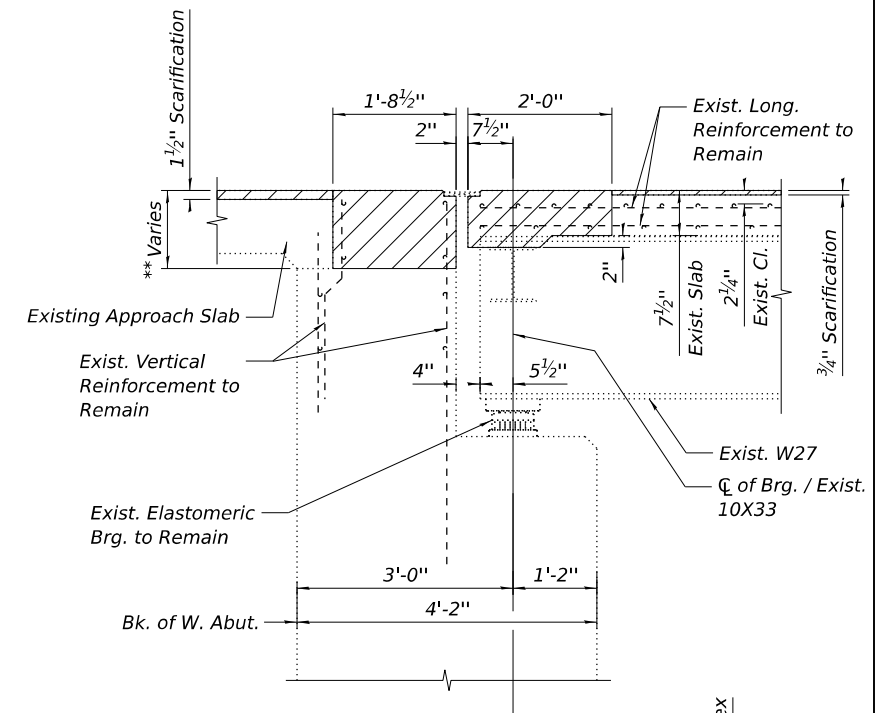
Notes:
 Existing reinforcement shall be cleaned, straightened, and incorporated into the new construction.
 Cost included with Concrete Removal.
 Removal and Disposal of Existing Expansion Joint is included in the cost of Concrete Removal.
 Cost of Bridge Handrail Removal shall be included with Concrete Parapet Retrofit. See sheet 7 of 11.
 See sheet 7 of 11 for Bill of Materials.



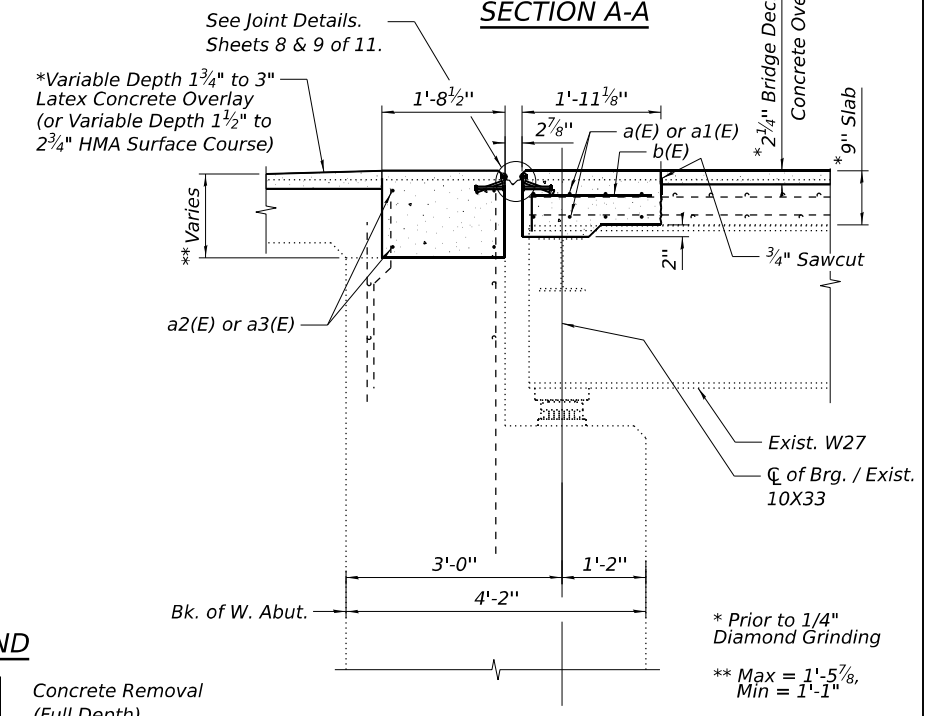
CONCRETE REMOVAL PLAN



CONCRETE REPLACEMENT PLAN



SECTION A-A



SECTION B-B

LEGEND

Concrete Removal (Full Depth)

* Prior to 1/4" Diamond Grinding
 ** Max = 1'-5 7/8"
 Min = 1'-1"

MODEL: Sheet 1
 FILE NAME: P:\2025\183-1\Design\Plans\089-0038\005 - D2-64T58 - 0890038 - IL-75 over Pecatonica River - W. Abutment Joint Removal and Replacement.dgn

BENTON
 ENGINEERING
 JACKSONVILLE, FLORIDA
 JACKSONVILLE, FLORIDA
 JACKSONVILLE, FLORIDA

USER NAME =	DESIGNED CML	REVISED -
CHECKED MBH	REVISIONS -	
PLOT SCALE =	DRAWN CML	REVISED -
PLOT DATE = 5/7/2026	CHECKED MBH	REVISED -

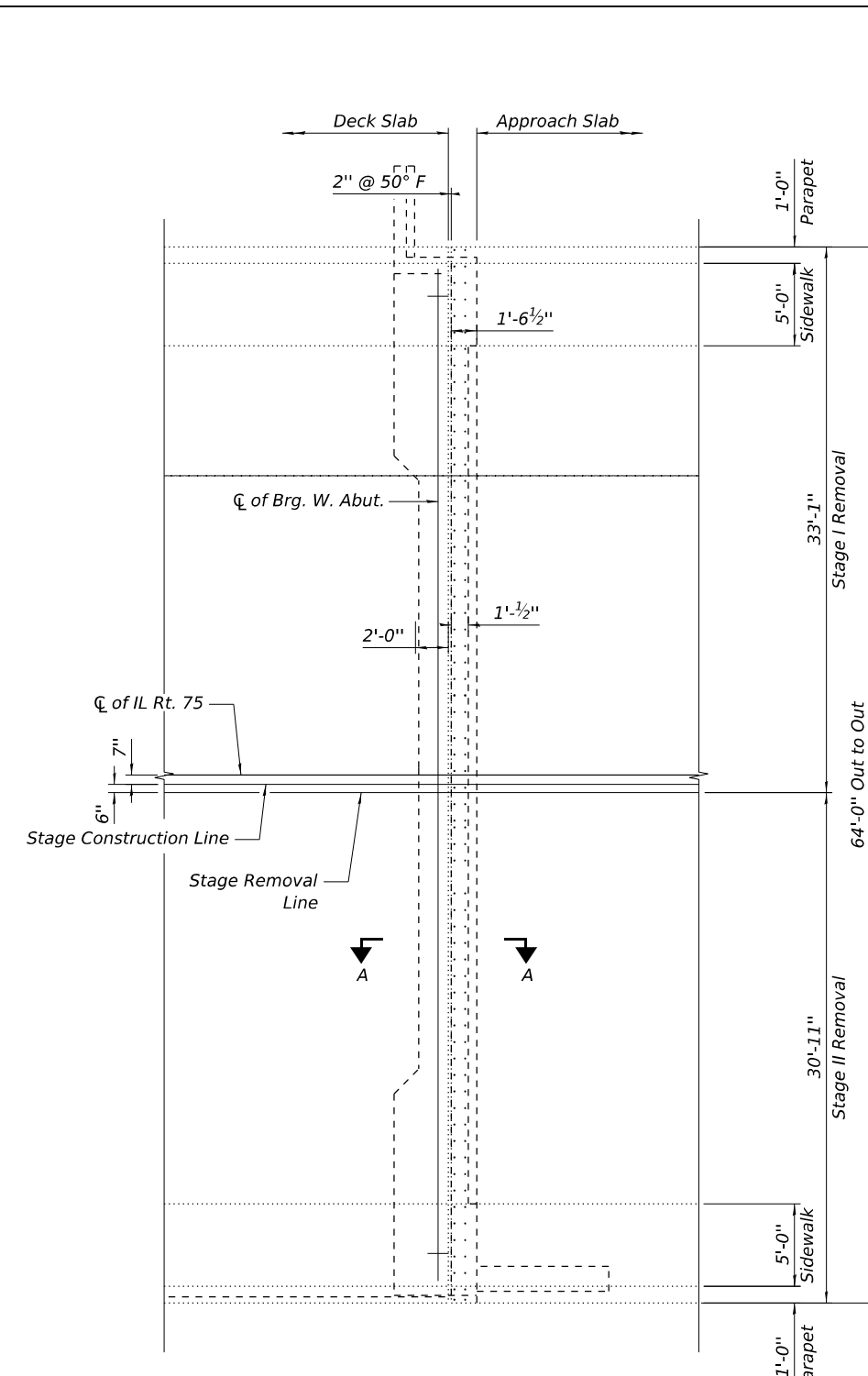
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT JOINT REMOVAL AND REPLACEMENT DETAILS
 SN 089-0038 OVER PECATONICA RIVER

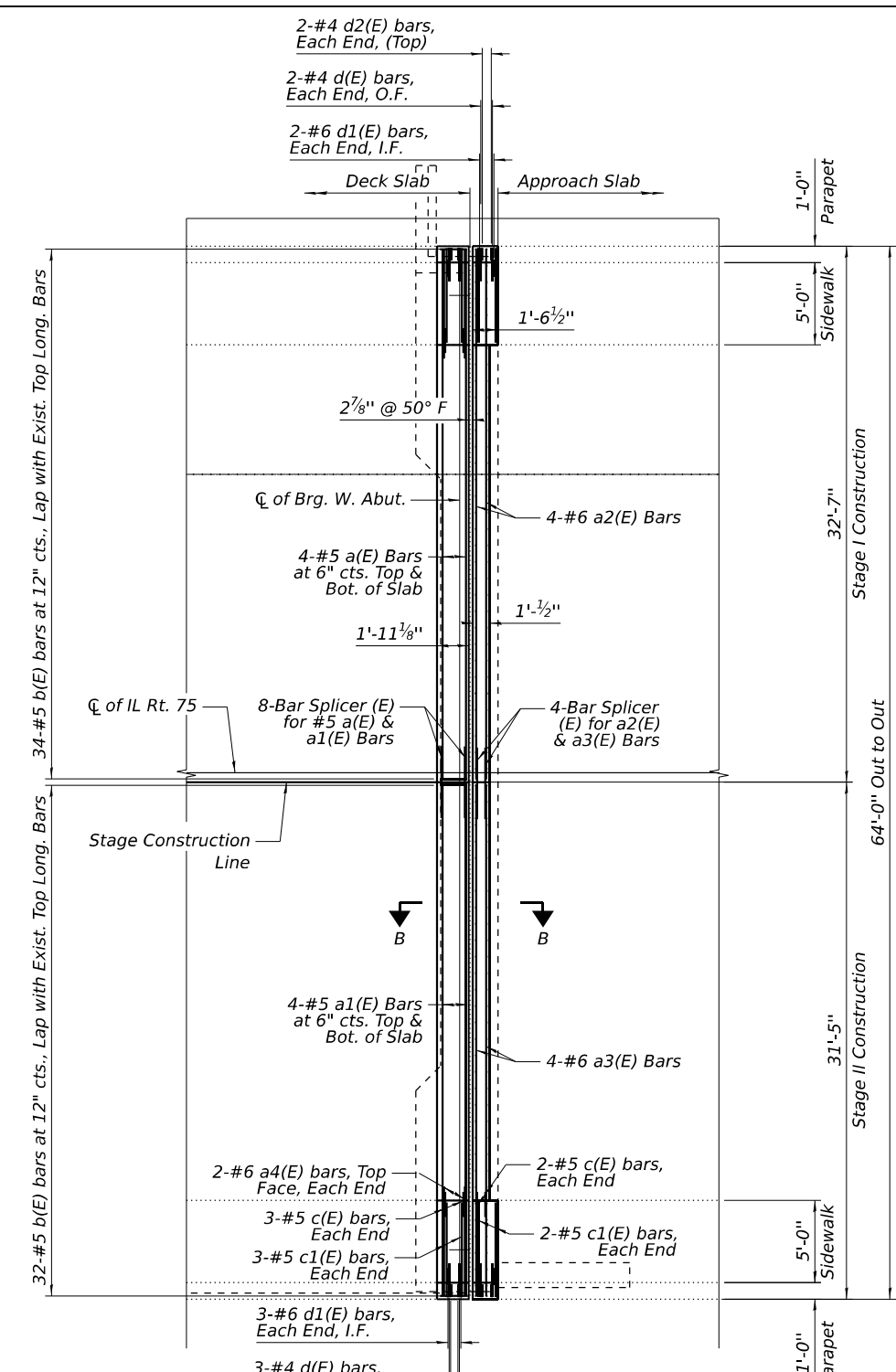
SHEET 5 OF 11 SHEETS

F.A.P. RTE. 505	SECTION (109BR)BRR	COUNTY STEPHENSON	TOTAL SHEETS 31	SHEET NO. 15
CONTRACT NO. 64T58			ILLINOIS FED. AID PROJECT	

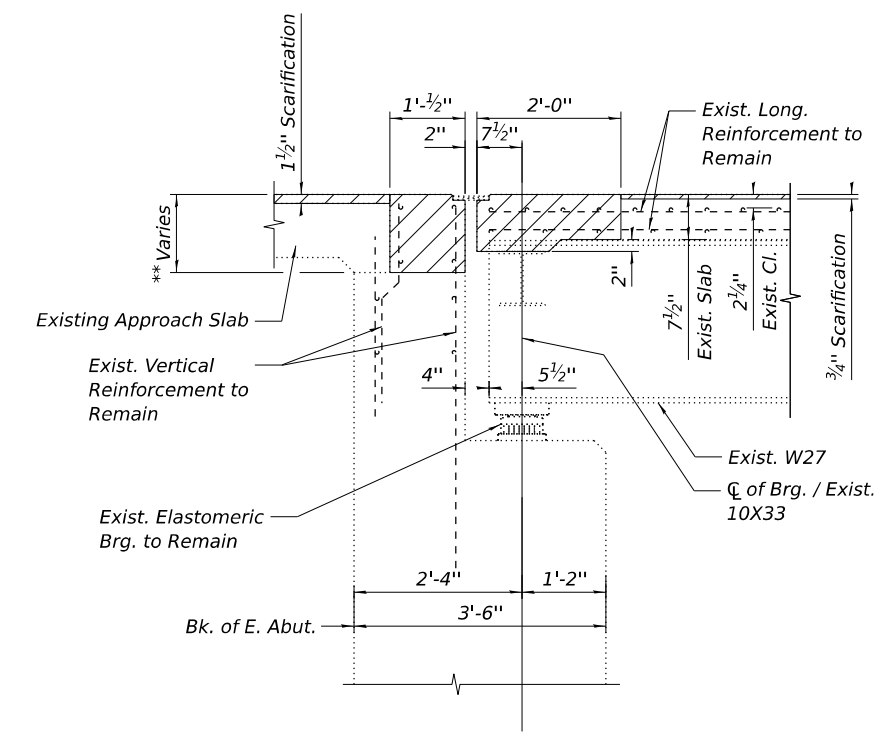
Notes:
 Existing reinforcement shall be cleaned, straightened, and incorporated into the new construction.
 Cost included with Concrete Removal.
 Removal and Disposal of Existing Expansion Joint is included in the cost of Concrete Removal.
 Cost of Bridge Handrail Removal shall be included with Concrete Parapet Retrofit. See sheet 7 of 11.
 See sheet 7 of 11 for Bill of Materials



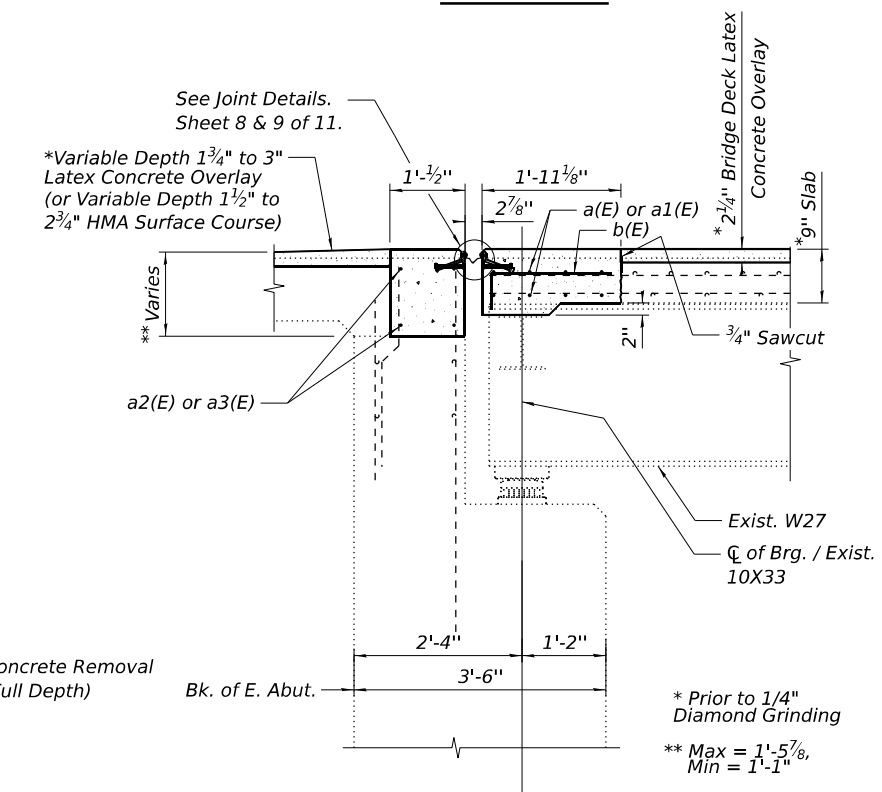
CONCRETE REMOVAL PLAN



CONCRETE REPLACEMENT PLAN



SECTION A-A



SECTION B-B

LEGEND

Concrete Removal (Full Depth)

MODEL: Sheet 1
 FILE NAME: P:\25E4183-1\Design\Plans\089-0038\066 - D2-64T58 - 0890038 - IL-75 over Pecatonica River - E. Abutment Joint Removal and Replacement.dgn

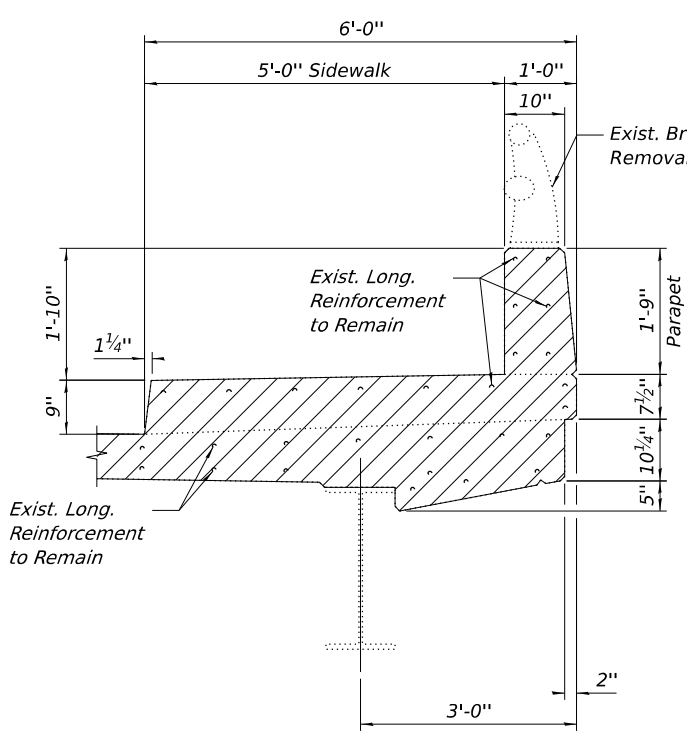
USER NAME =	DESIGNED CML	REVISED -
CHECKED MBH	REVISIONS -	
PLOT SCALE =	DRAWN CML	REVISED -
PLOT DATE = 5/7/2026	CHECKED MBH	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

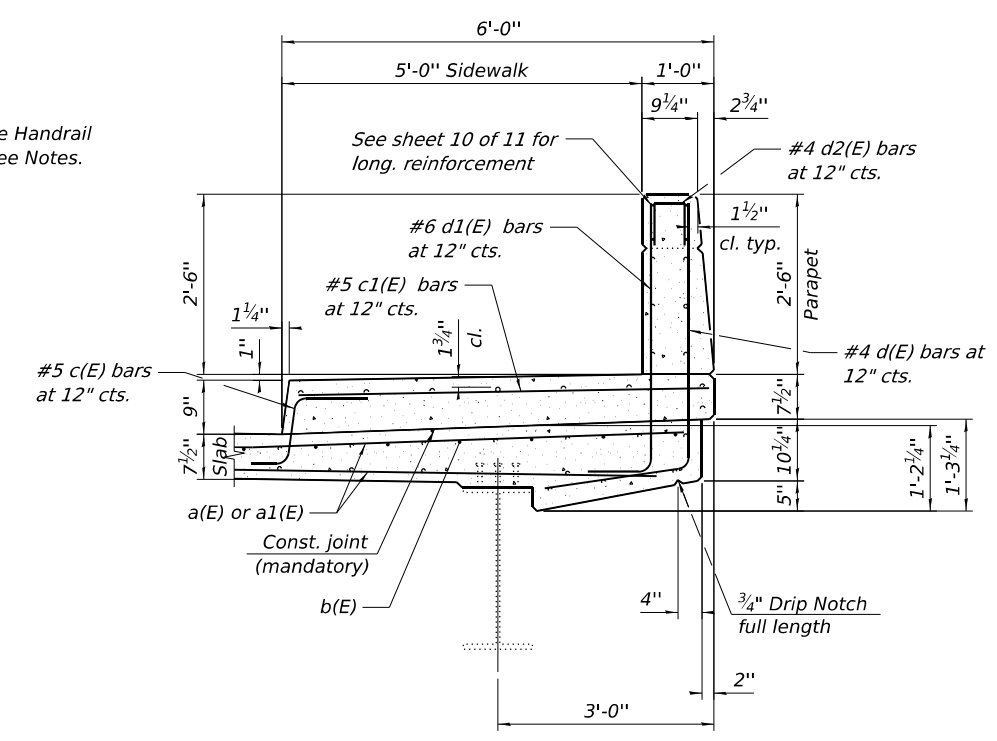
**EAST ABUTMENT JOINT REMOVAL AND REPLACEMENT
 SN 089-0038 OVER PECATONICA RIVER**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	16
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

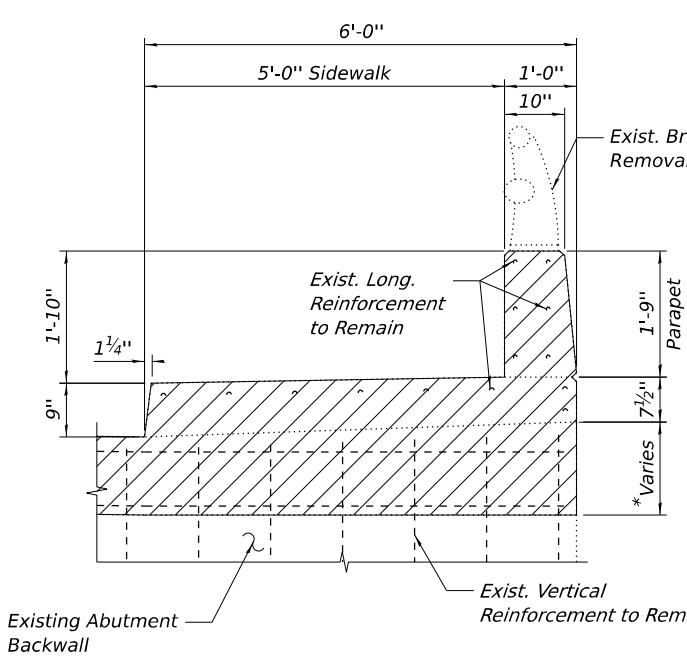
MODEL: Sheet 1
 FILE NAME: P:\25E4183-1\Drawings\Plans\089-0038\007 - D2-64T58 - 0890038 - IL-75 over Pecatonica River - Joint Removal and Replacement Details.dgn



SECTION THROUGH PARAPET AT DECK JOINT REMOVAL

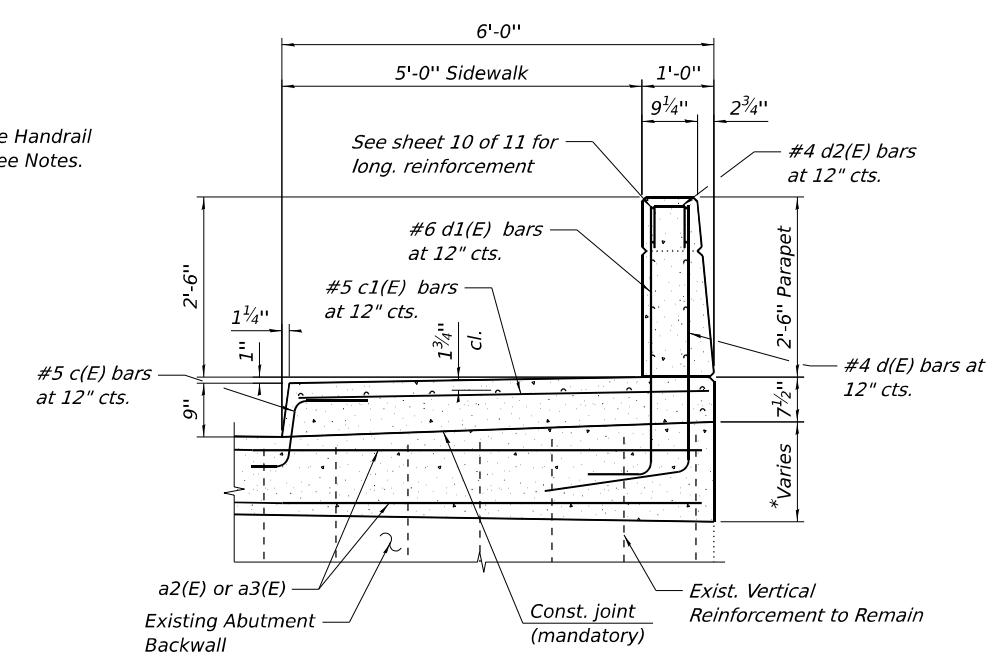


SECTION THROUGH PARAPET AT DECK JOINT REPLACEMENT

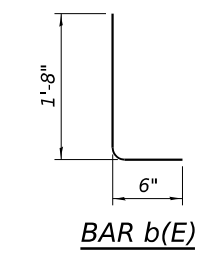


SECTION THROUGH PARAPET AT ABUTMENT BACKWALL REMOVAL

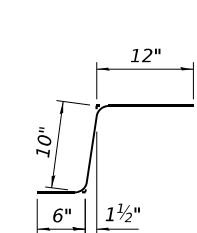
* Contractor to field verify dimension



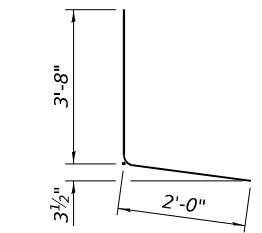
SECTION THROUGH PARAPET AT ABUTMENT BACKWALL REPLACEMENT



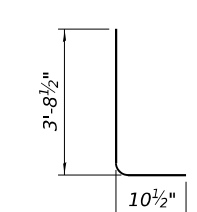
BAR b(E)



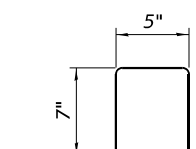
BAR c(E)



BAR d(E)



BAR d1(E)



BAR d2(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	16	#5	32'-3"	▬
a1(E)	16	#5	31'-1"	▬
a2(E)	8	#6	32'-3"	▬
a3(E)	8	#6	31'-1"	▬
a4(E)	8	#6	6'-8"	▬
b(E)	132	#5	2'-2"	└┘
c(E)	22	#5	2'-4"	└┘
c1(E)	22	#5	5'-8"	▬
d(E)	22	#4	5'-8"	└┘
d1(E)	22	#6	4'-7"	└┘
d2(E)	22	#4	1'-7"	└┘
Item		Unit	Total	
Concrete Removal		Cu. Yd.	23.5	
Concrete Superstructure		Cu. Yd.	25.5	
Bar Splicers		Each	24	
Protective Coat		Sq. Yd.	27	
Reinforcement Bars, Epoxy Coated		Pound	2720	

Notes:
 Remove existing handrail anchor bolts flush with existing concrete surface. Included in the cost of Retrofit Concrete Parapet.
 The existing railings shall be removed and disposed of according to Article 501.05 of the Standard Specifications. Cost included with Retrofit Concrete Parapet.
 Protective Coat shall be applied to the top and vertical interior face of the parapet, sidewalk, & curb. All exposed edges shall be chamfered 3/4".

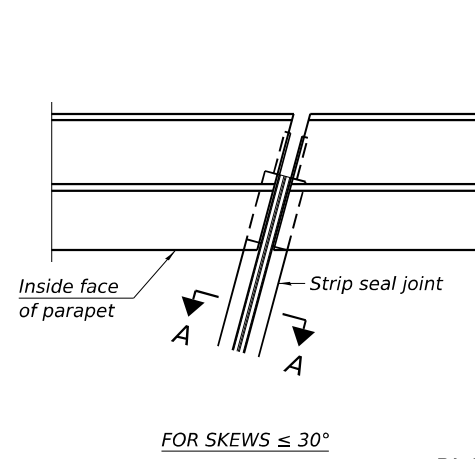
BENTON ENGINEERING
 JACKSONVILLE, FLORIDA
 3525 E. UNIVERSITY BLVD. SUITE 100
 JACKSONVILLE, FL 32218
 (904) 722-1111

USER NAME =	DESIGNED CML	REVISED -
PLOT SCALE =	CHECKED MBH	REVISED -
PLOT DATE = 5/7/2026	DRAWN CML	REVISED -
	CHECKED MBH	REVISED -

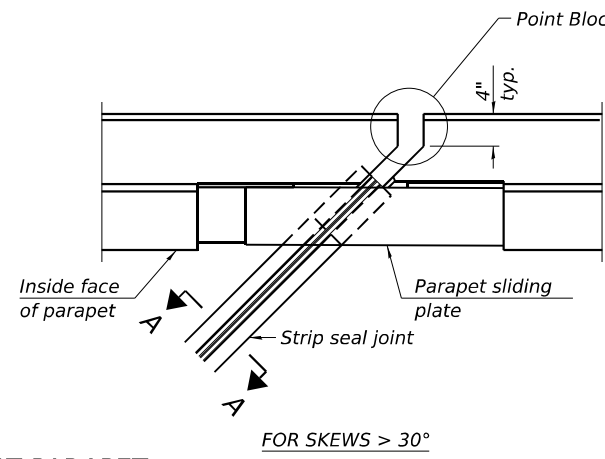
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**JOINT REMOVAL AND REPLACEMENT DETAILS
 SN 089-0038 OVER PECATONICA RIVER**

F.A.P. RTE. 505	SECTION (109BR)BRR	COUNTY STEPHENSON	TOTAL SHEETS 31	SHEET NO. 17
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

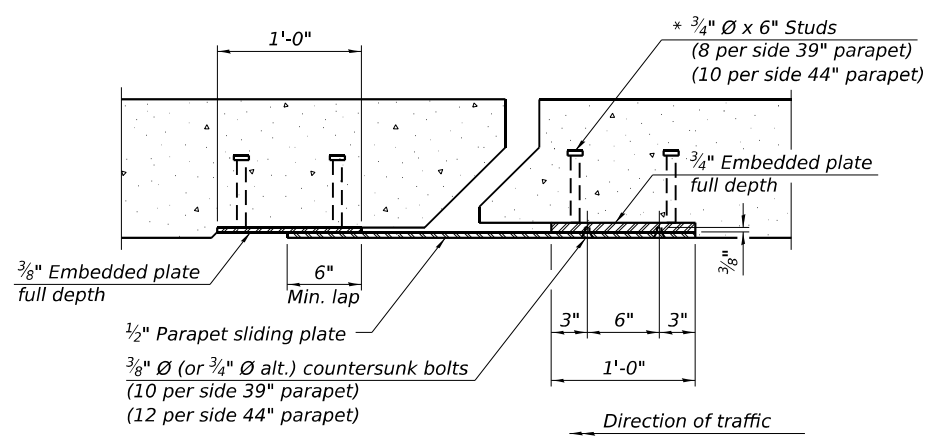


FOR SKEWS $\leq 30^\circ$



FOR SKEWS $> 30^\circ$

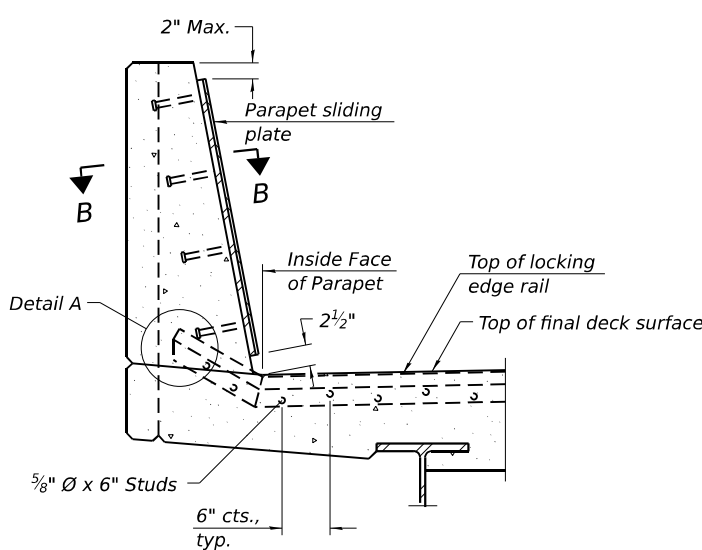
PLAN AT PARAPET



SECTION B-B

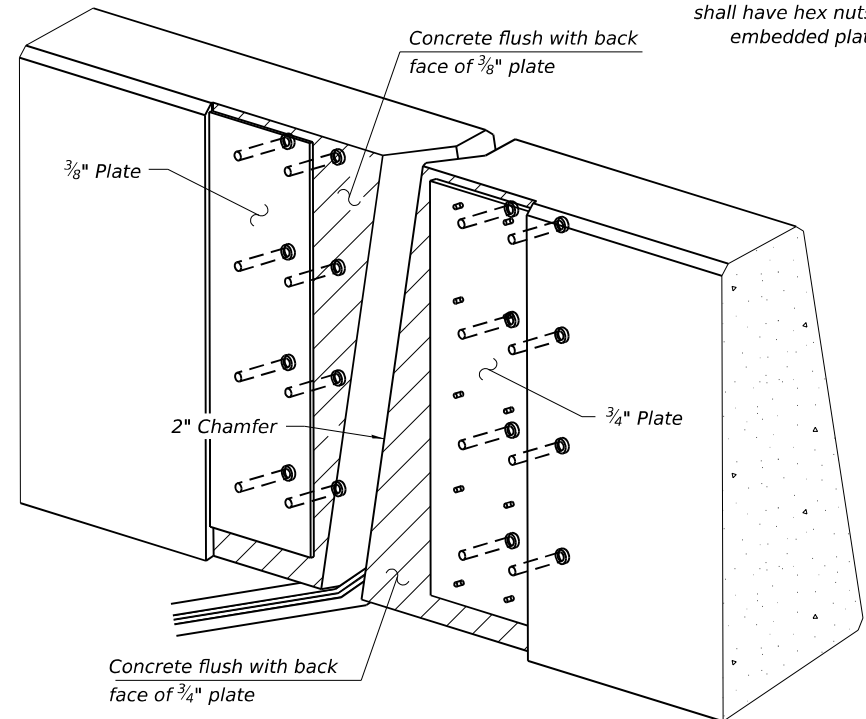
($3/4$ " \varnothing countersunk bolts extending into concrete shall have hex nuts tack welded to the back of the embedded plates with end caps provided.)

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of $1/4$ ". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
 The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the $4 1/2$ " maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 The Maximum space between locking edge rail segments shall be $3/16$ " and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.
 The top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.
 Cost of parapet sliding plates, sidewalk sliding plates, embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.
 39" constant slope barrier shown, 44" constant slope barrier similar as noted.
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.



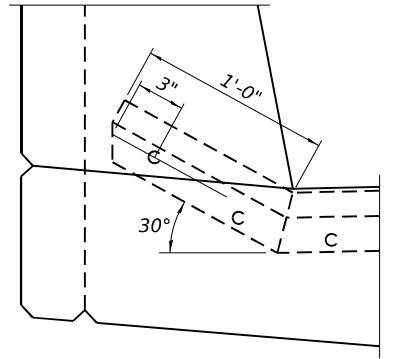
SECTION AT PARAPET

(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)

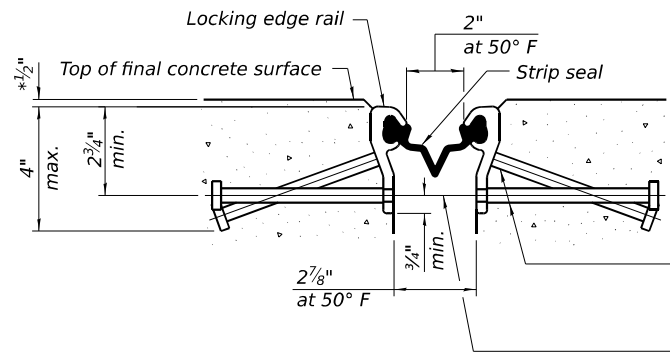


TRIMETRIC VIEW

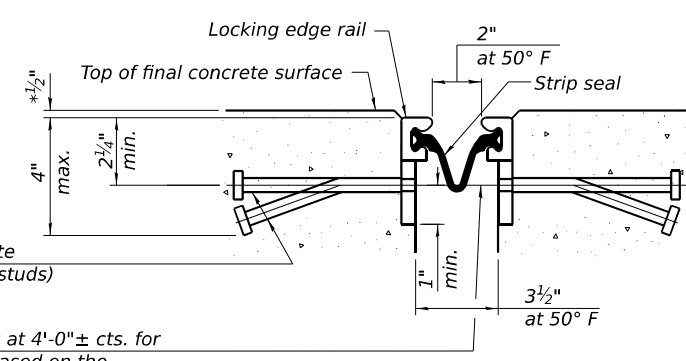
(Showing embedded plates only)



DETAIL A



SHOWING ROLLED RAIL JOINT



SHOWING WELDED RAIL JOINT

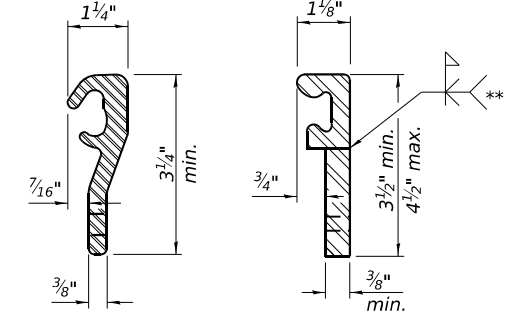
* Prior to $1/4$ " Diamond Grinding

* $5/8$ " \varnothing x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

$3/8$ " \varnothing threaded rods in $7/16$ " \varnothing holes at $4'-0"$ \pm cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates within 90 minutes after concrete is set.

SECTION A-A

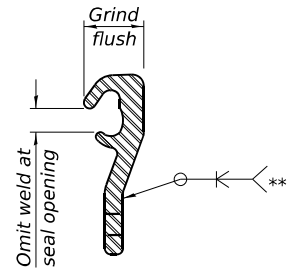
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED (EXTRUDED) RAIL WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	128

MODEL: Sheet 1 FILE NAME: P:\2025\183-1\Design\Plans\089-0038\089-0038-02-64T58-0890038-11-75 over Pecatonica River - Preformed Joint Strip Seal - Sidewalk.dgn

EJ-SS-S 10-3-2025



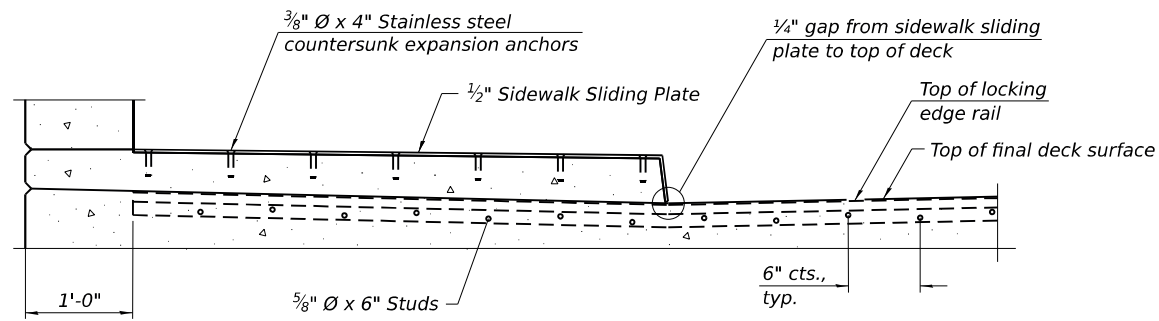
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PLOT SCALE =	CHECKED MBH	REVISED -
PLOT DATE = 5/7/2026	DRAWN CML	REVISED -
	CHECKED MBH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

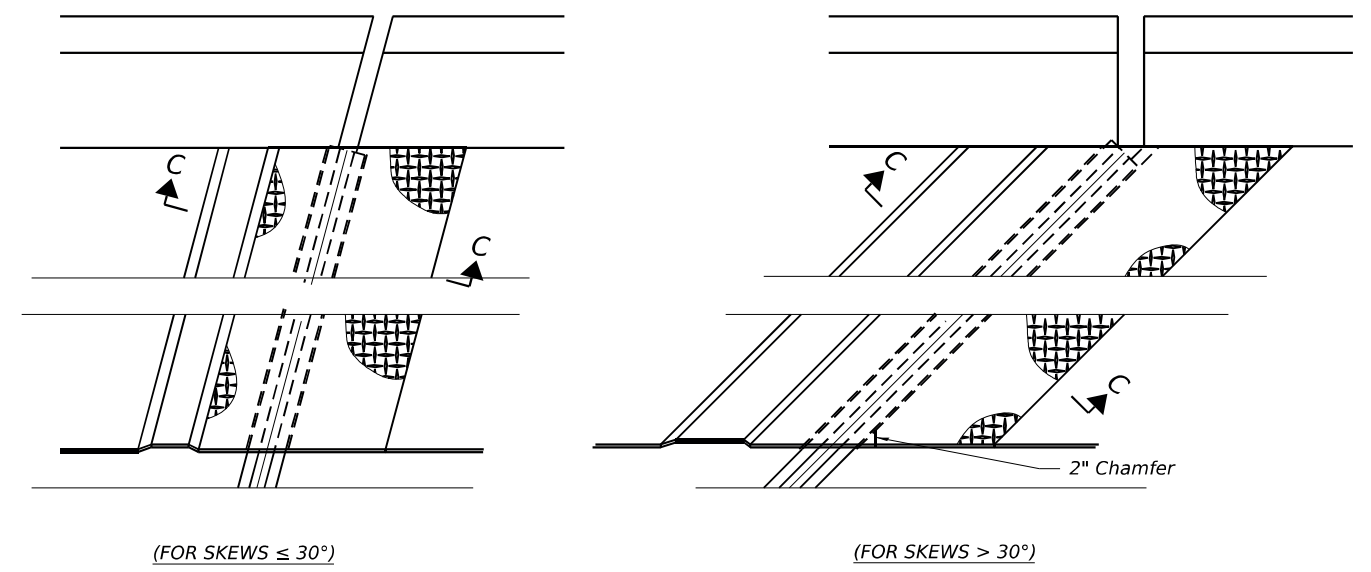
PREFORMED JOINT STRIP SEAL - SIDEWALK
SN 089-0038 OVER PECATONICA RIVER

SHEET 8 OF 11 SHEETS

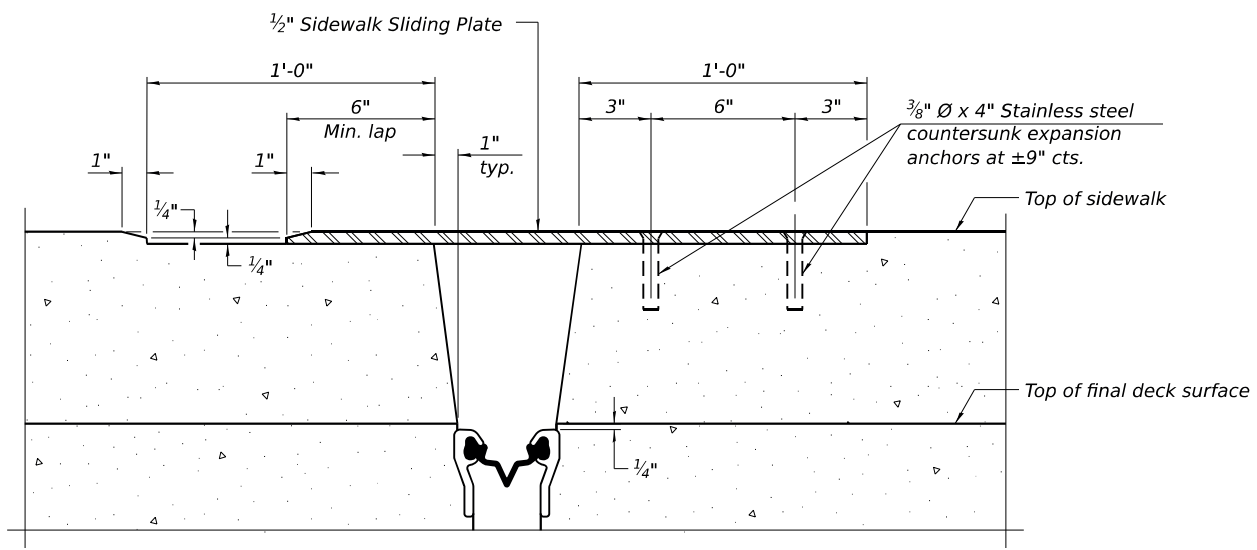
F.A.P. RTE. 505	SECTION (109BR)BRR	COUNTY STEPHENSON	TOTAL SHEETS 31	SHEET NO. 18
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				



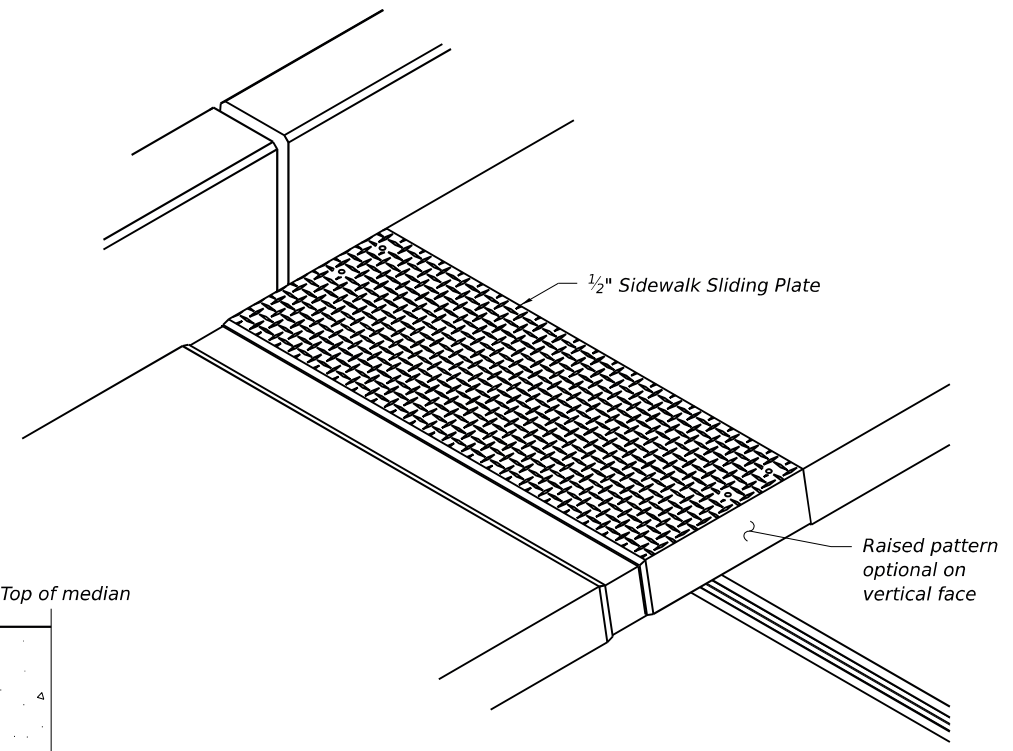
SECTION AT RAISED SIDEWALK



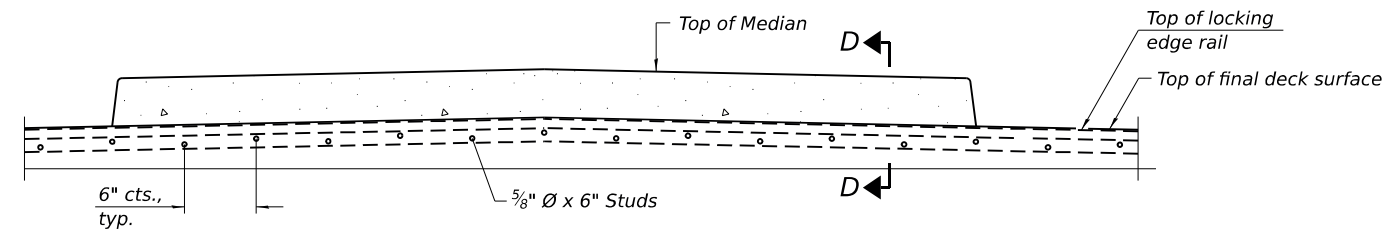
PLAN AT RAISED SIDEWALK



SECTION C-C

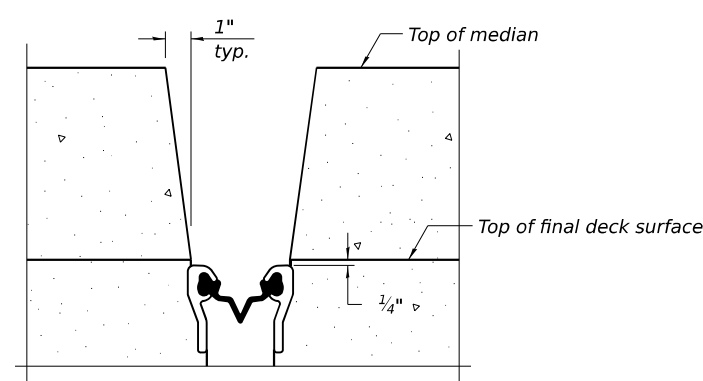


TRIMETRIC VIEW



SECTION AT MEDIAN

For skew > 30°, chamfer acute corners 2" similar to sidewalk.



SECTION D-D
(at Rt. L's)

EJ-SS-S

10-3-2025

(Sheet 2 of 2)

MODEL: Sheet 1
FILE NAME: P:\25E4183-1\Design\Plans\089-0038\009 - D2-64T58 - 0890038 - IL-75 over Pecatonica River - Preformed Joint Strip Seal - Sidewalk.dgn



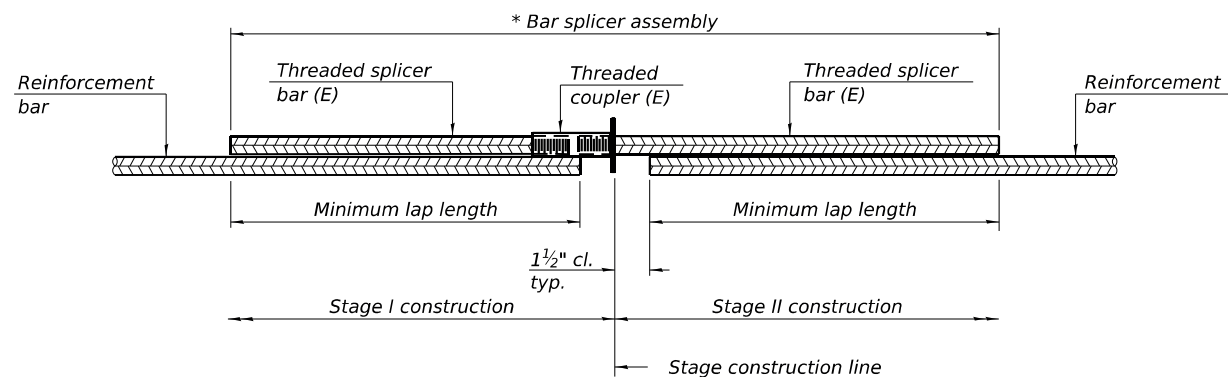
USER NAME =	DESIGNED CML	REVISIONS
CHECKED MBH	REVISIONS	
PLOT SCALE =	DRAWN CML	REVISIONS
PLOT DATE = 4/2/2026	CHECKED MBH	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
SN 089-0038 OVER PECATONICA RIVER

SHEET 9 OF 11 SHEETS

F.A.P. RTE. 505	SECTION (109BR)BRR	COUNTY STEPHENSON	TOTAL SHEETS 31	SHEET NO. 19
			CONTRACT NO. 64T58	
		ILLINOIS FED. AID PROJECT		



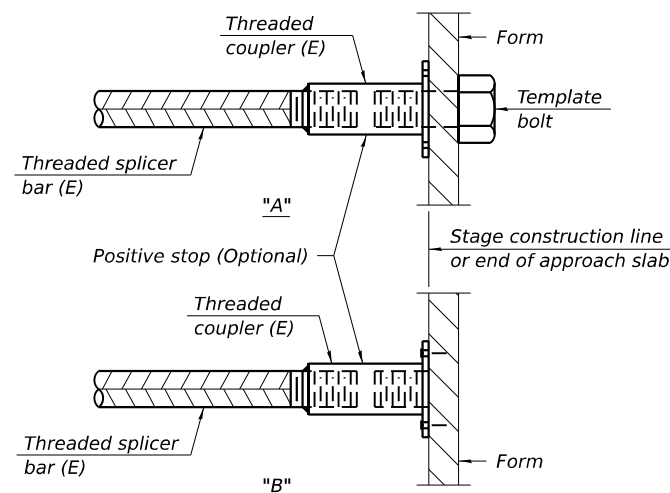
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
W. End of Deck	#5	8	3'-6"
W. Abut. Backwall	#6	4	4'-0"
E. End of Deck	#5	8	3'-6"
E. Abut. Backwall	#6	4	4'-0"

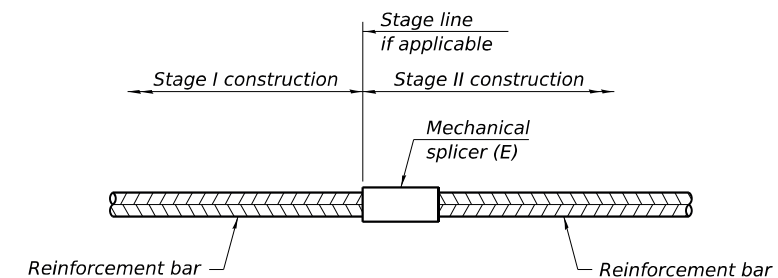


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

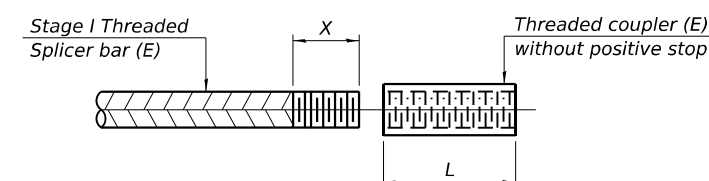
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

Notes:

- Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
- All reinforcement shall be lapped and tied to the splicer bars.
- Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
- See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: Sheet 1
FILE NAME: P:\2025\183-1\Design\Plans\089-0038\011 - D2-64T58 - 0890038 - IL-75 over Pecatonica River - Bar Splicer Assembly and Mechanical Splicer Details.dgn



USER NAME =	DESIGNED CML	REVISED -
	CHECKED MBH	REVISED -
PLOT SCALE =	DRAWN CML	REVISED -
PLOT DATE = 4/2/2026	CHECKED MBH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

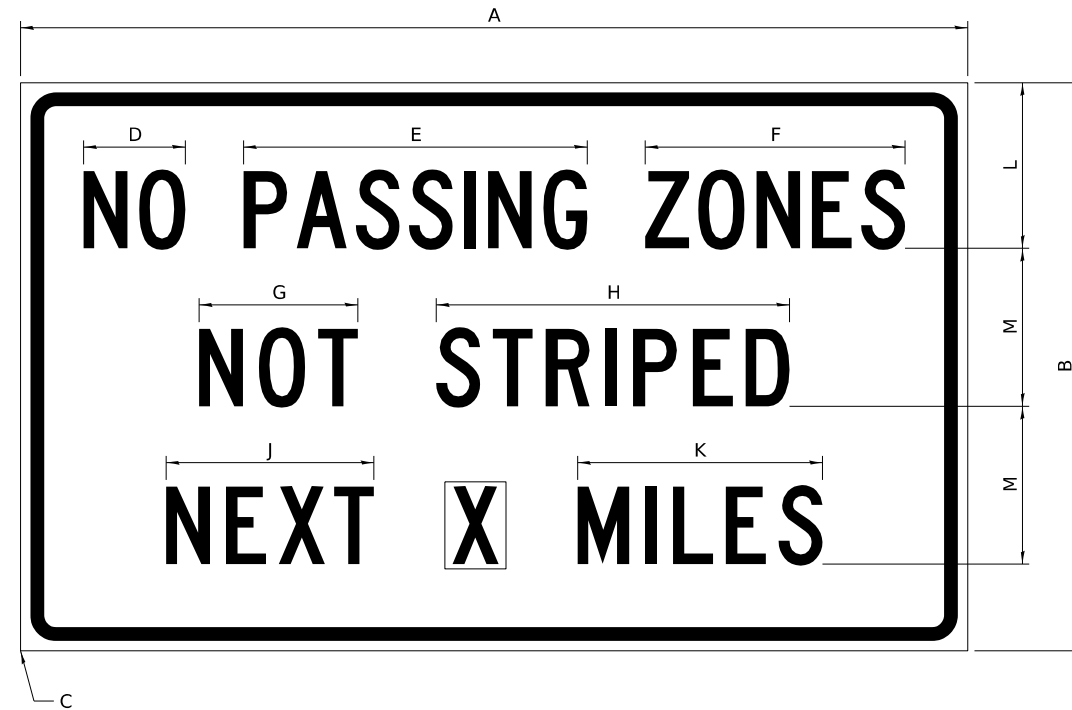
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
SN 089-0038 OVER PECATONICA RIVER

SHEET 11 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	21
CONTRACT NO. 64T58			ILLINOIS FED. AID PROJECT	

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100(F0)



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

GENERAL NOTES

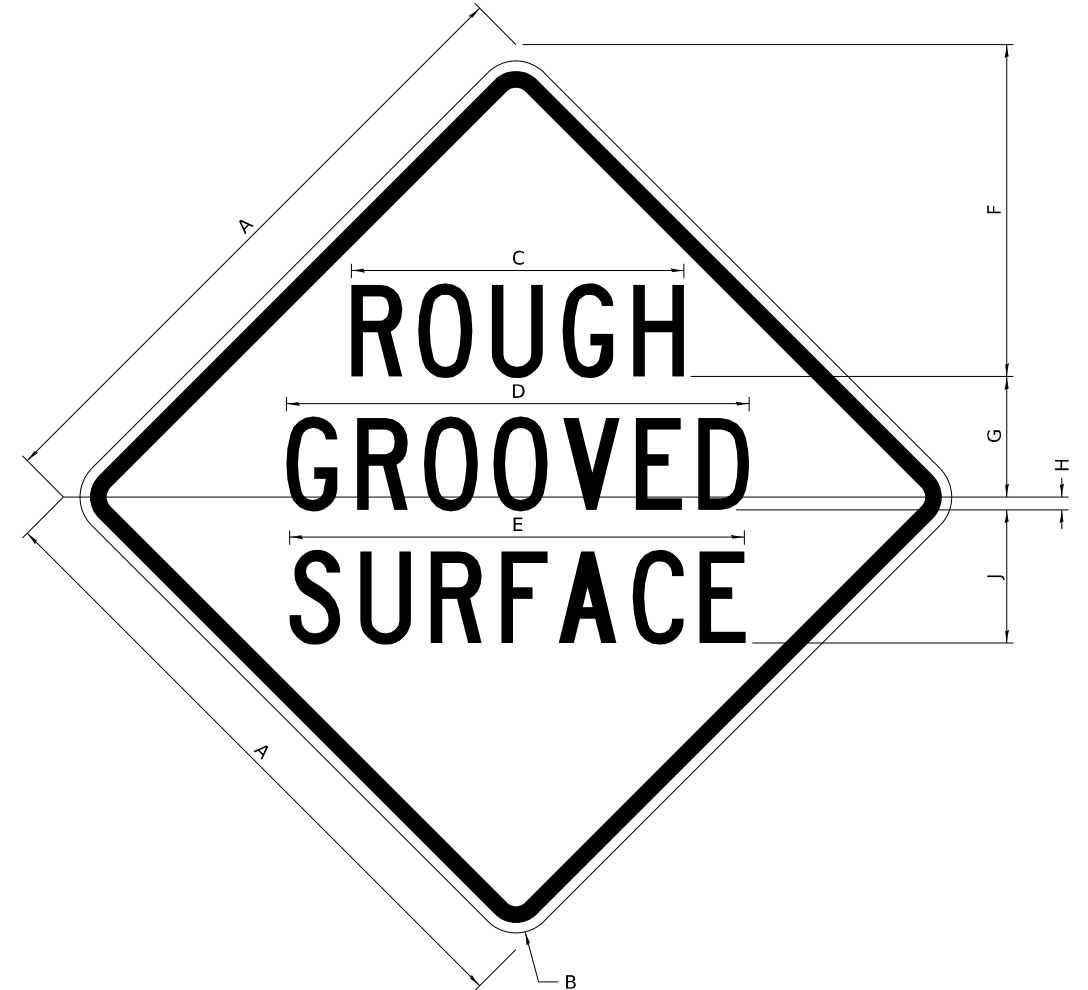
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

ILLINOIS STANDARD W8-I107



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

MODEL: D2 34.1 (Sheet) FILE NAME: P:\2025\183-1\Structure #089-0038\Design\CADD Sheets\089-0038 - sht 023 - sht 023 - D2 Standards.dgn

USER NAME = gsturjeon	DESIGNED -	REVISED - 5-22-25
	DRAWN -	REVISED - 3-02-16
	CHECKED -	REVISED -
PLOT DATE = 4/2/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

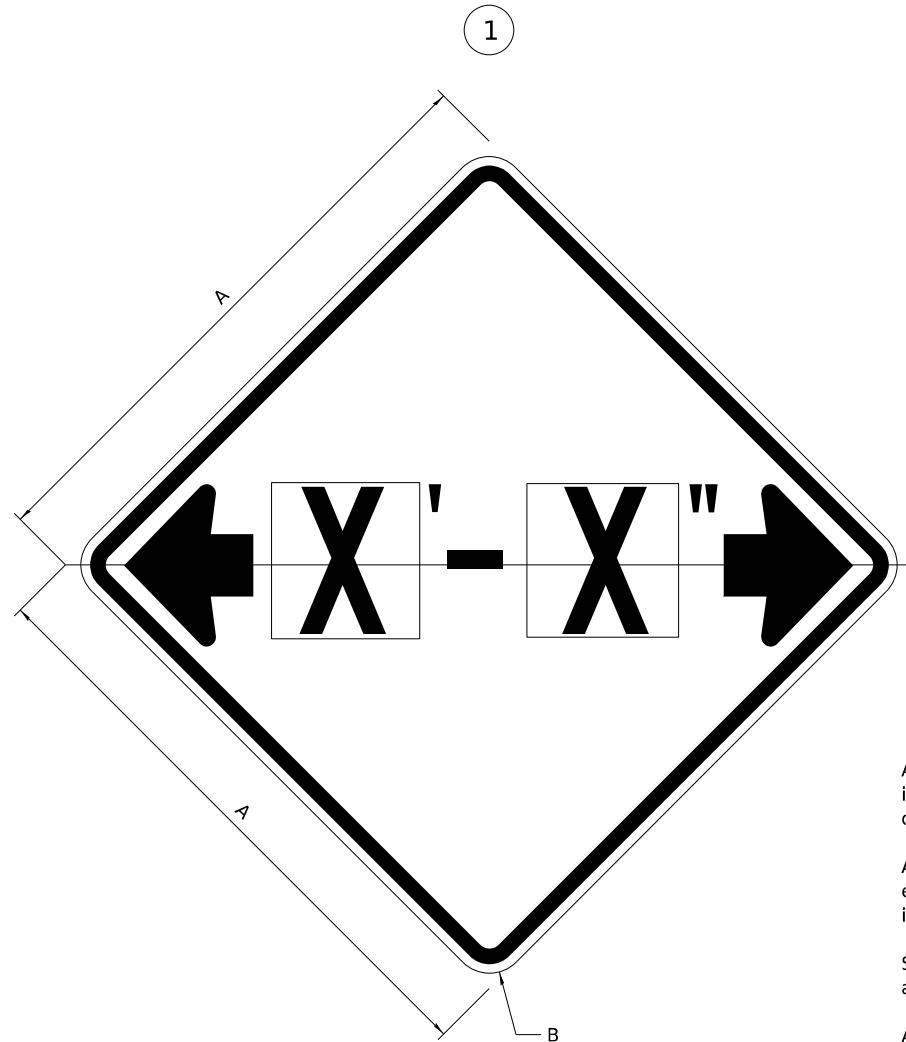
**D2 DETAILS
SN 089-0038**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

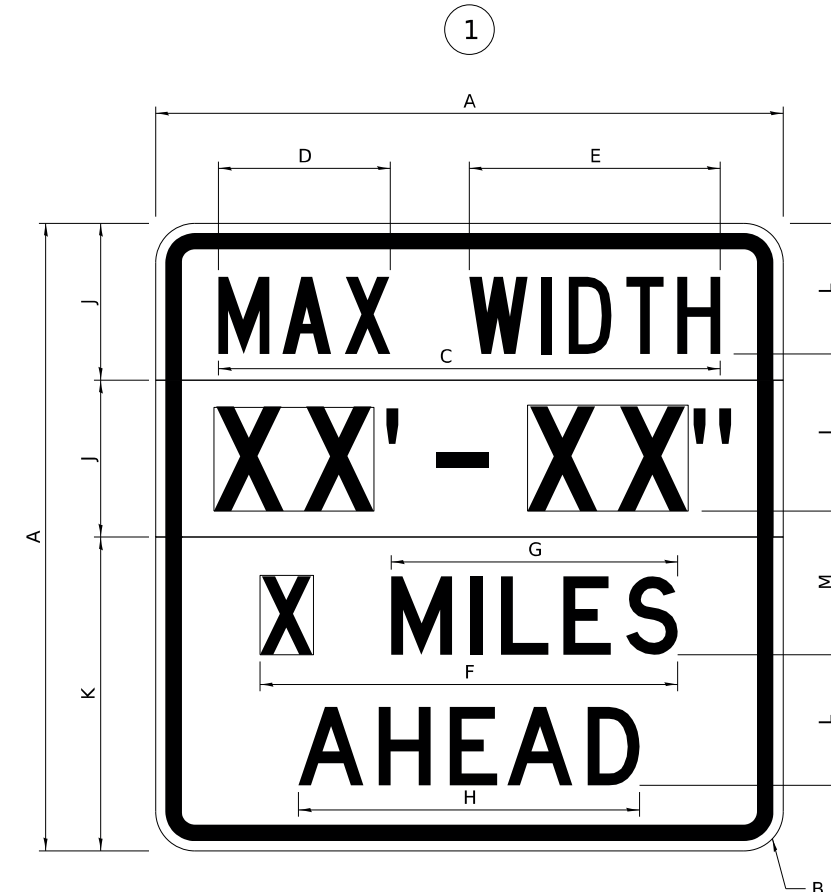
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	22
CONTRACT NO. 64T58			ILLINOIS FED. AID PROJECT	

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



ILLINOIS STANDARD W12-I103



GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

COLOR LEGEND AND BORDER BACKGROUND (WIDTH) BLACK WHITE FL ORANGE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

MODEL: D2 34.1 - 2 (Sheet)
FILE NAME: P:\26E4183-1\Structure #089-0038\Design\CADD Sheets\089-0038 - sht 023 - sht 023 - D2 Standards.dgn

USER NAME = gsturjeon	DESIGNED -	REVISED - 3-02-16
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/2/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D2 DETAILS
SN 089-0038

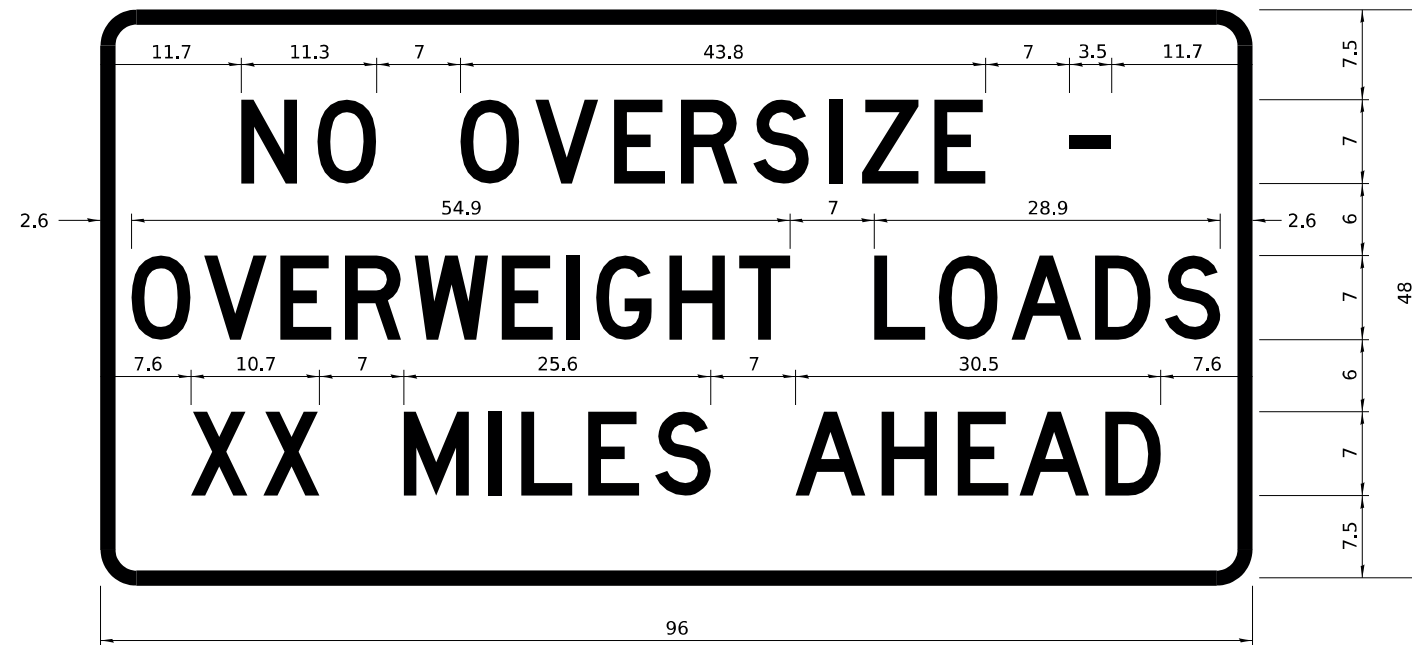
SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	23
CONTRACT NO. 64T58				

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS

STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	--------------	---------------------------------

COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	-------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
 Table of letter and object lefts.

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

MODEL: D2 34.1 - 3 (Sheet)
 FILE NAME: P:\26E4183-1\Structure #089-0038\Design\CADD Sheets\089-0038 - sht 023 - sht 023 - sht 032 - D2 Standards.dgn

USER NAME = gsturjeon	DESIGNED -	REVISED - 3-02-16
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/2/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

D2 DETAILS
 SN 089-0038

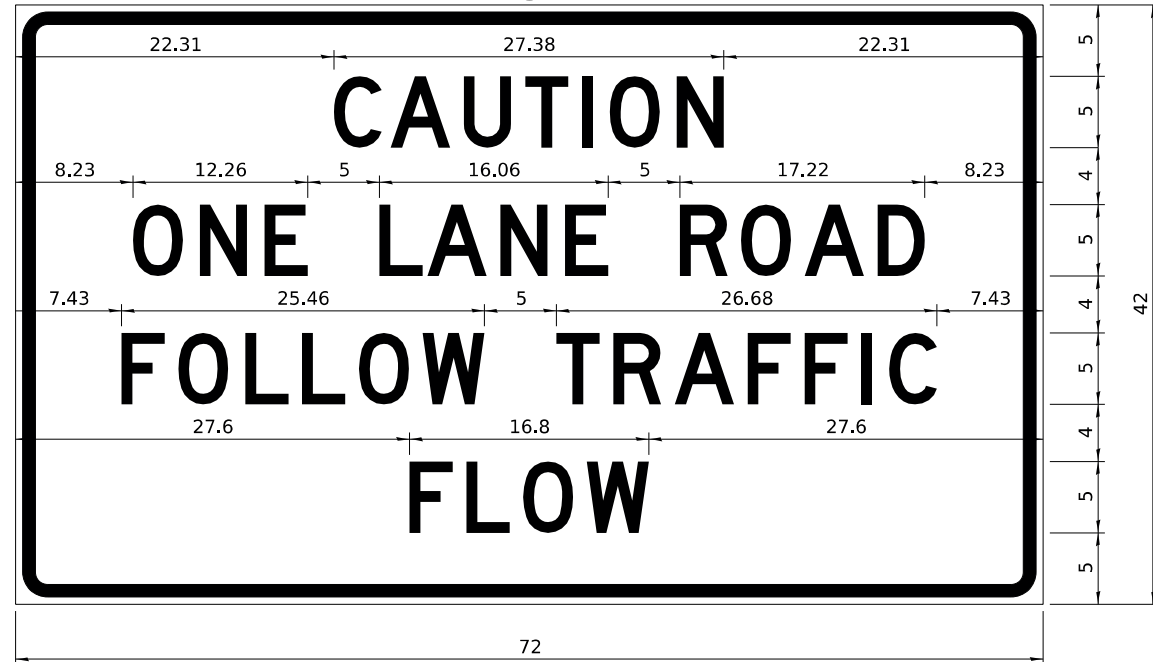
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	24
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

**ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS**

WORK ZONE SIGN DETAILS

2



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;
[CAUTION] D; [ONE LANE ROAD] D;
[FOLLOW TRAFFIC] D; [FLOW] D

2 This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table Of Widths And Spaces

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
-------	---	------	------	---	------	------	---	------	------	---	------	-------

Sign not to scale

GENERAL NOTES

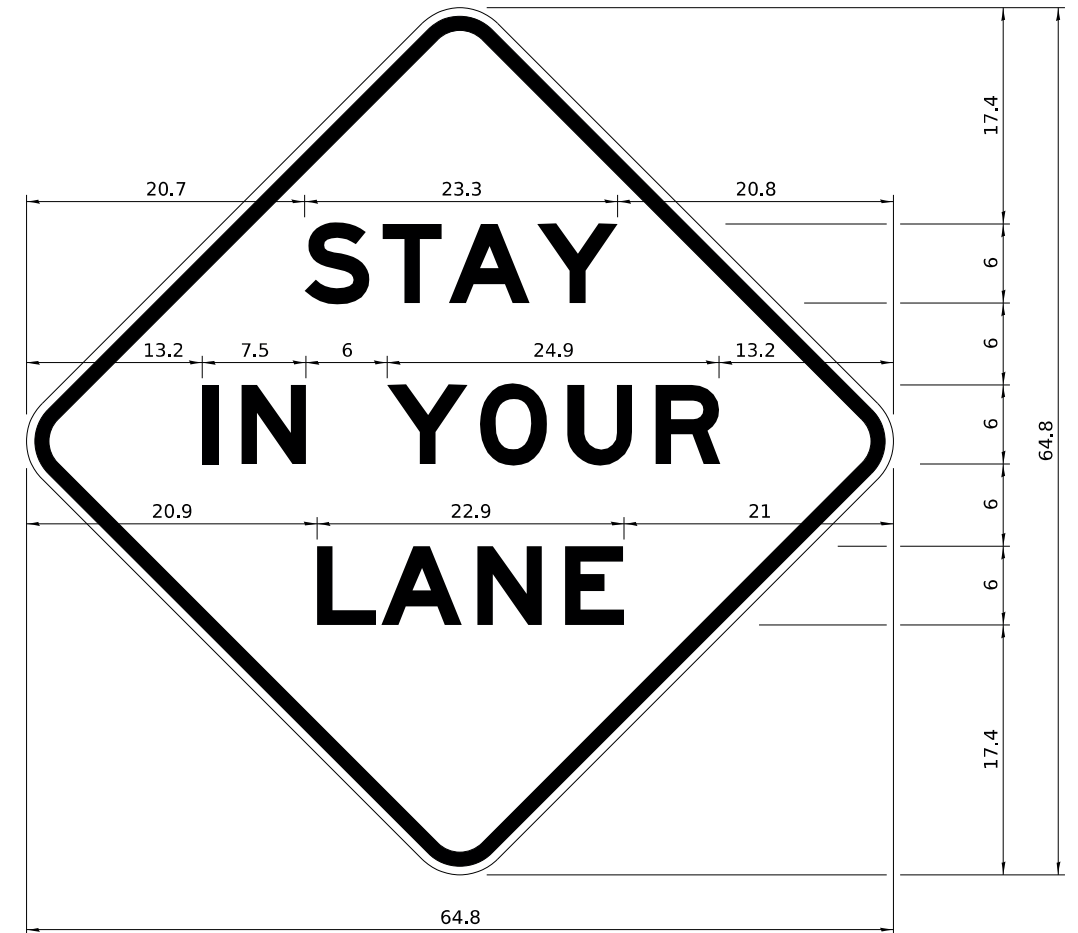
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

STAY IN YOUR LANE



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

Table of Letter and Object Lefts

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

MODEL: D2 34.1-4 (Sheet)
FILE NAME: P:\26E4183-1\Structure #089-0038\Design\CADD Sheets\089-0038 - sht 023 - sht 023 - D2 Standards.dgn

USER NAME = gsturjeon	DESIGNED -	REVISED - 3-02-16
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/2/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

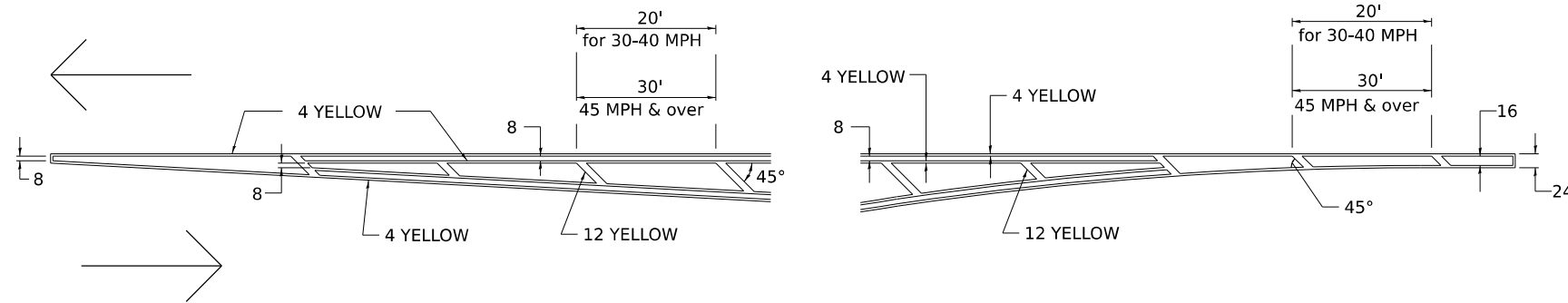
**D2 DETAILS
SN 089-0038**

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

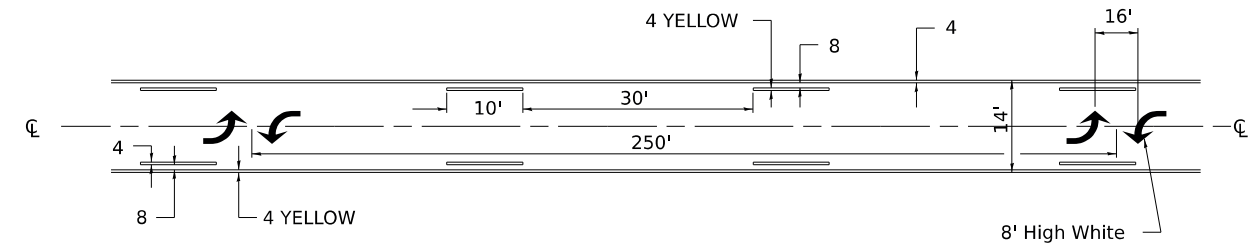
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	25
			CONTRACT NO. 64T58	
		ILLINOIS	FED. AID PROJECT	

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

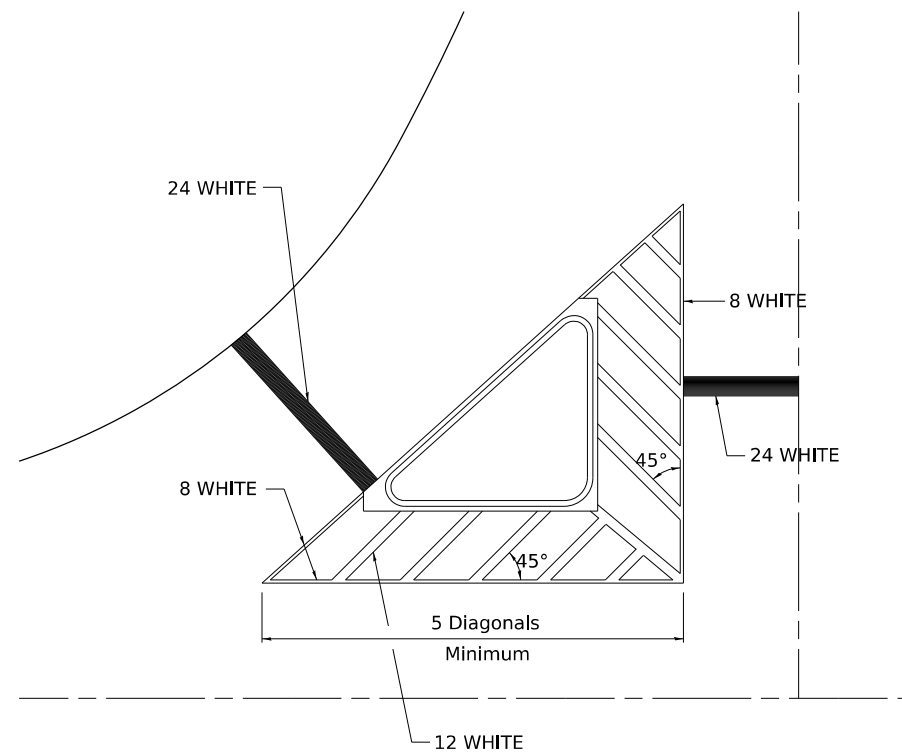


MEDIAN PAVEMENT MARKING



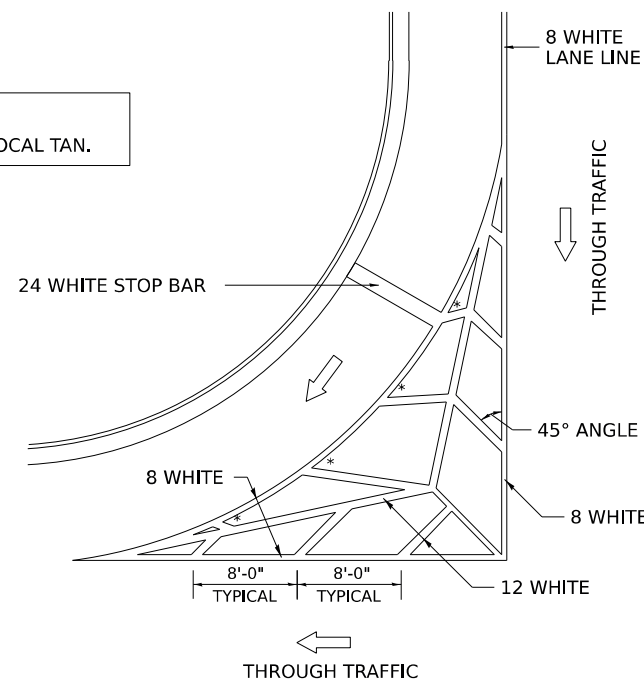
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



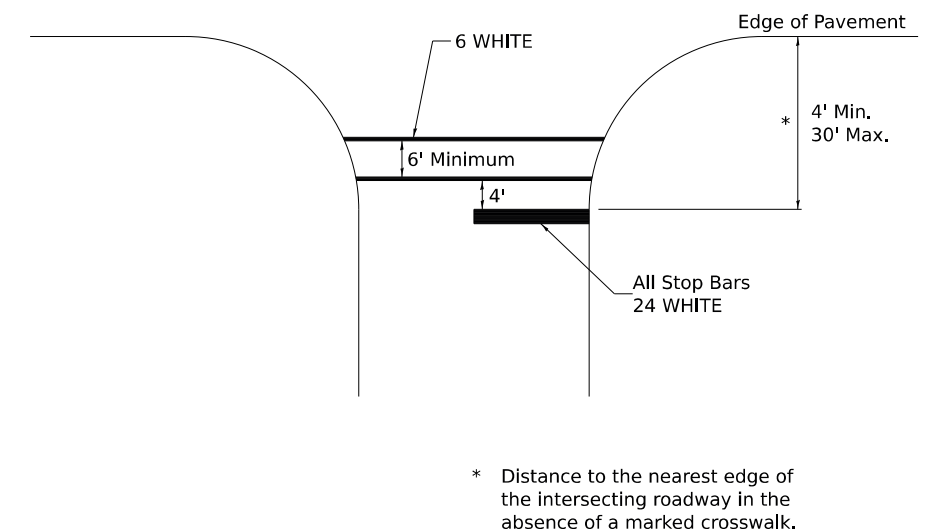
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



MODEL: D2 41.1 (Sheet)
FILE NAME: P:\2025\4183-1\Structure #098-0038\Design\CADD Sheets\098-0038 - sht 023 - sht 032 - D2 Standards.dgn

USER NAME = gsturjeon	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 3-05-12
	CHECKED -	REVISED -
PLOT DATE = 4/2/2026	DATE -	REVISED -

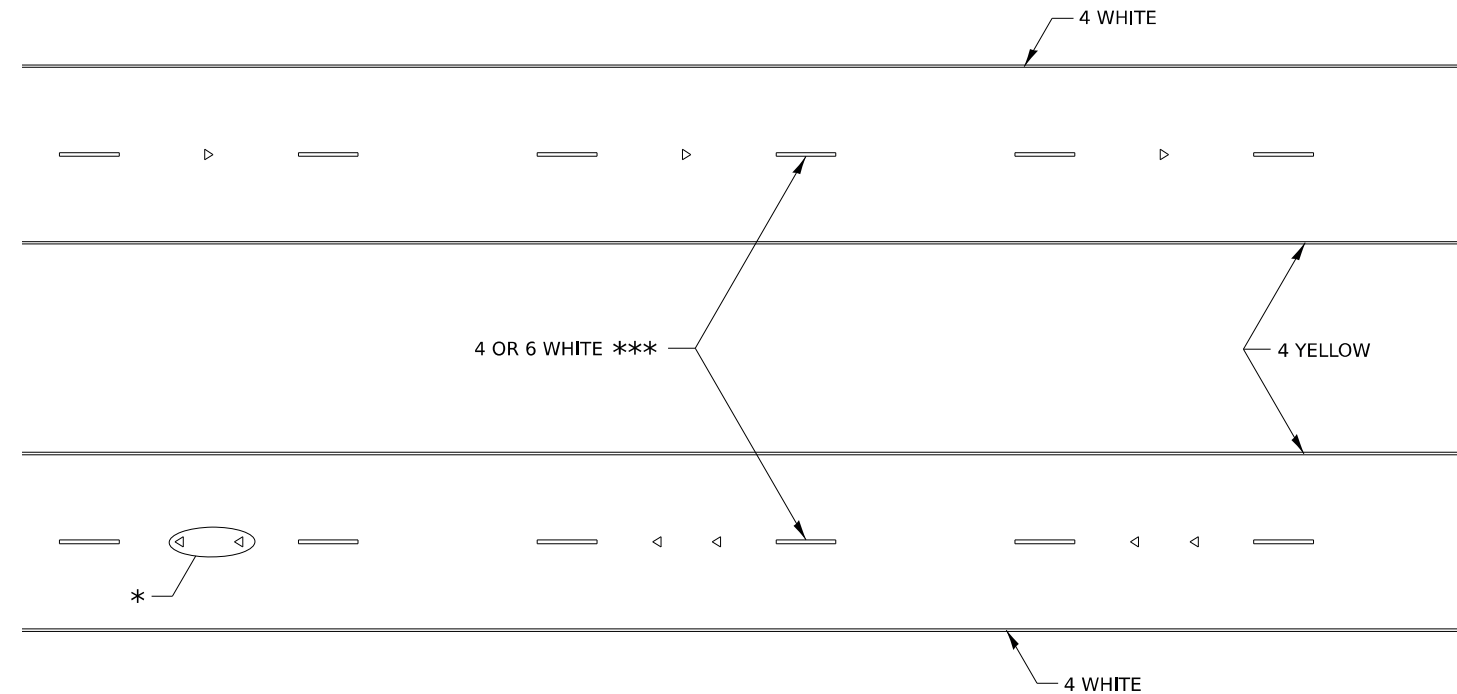
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D2 DETAILS
SN 098-0038

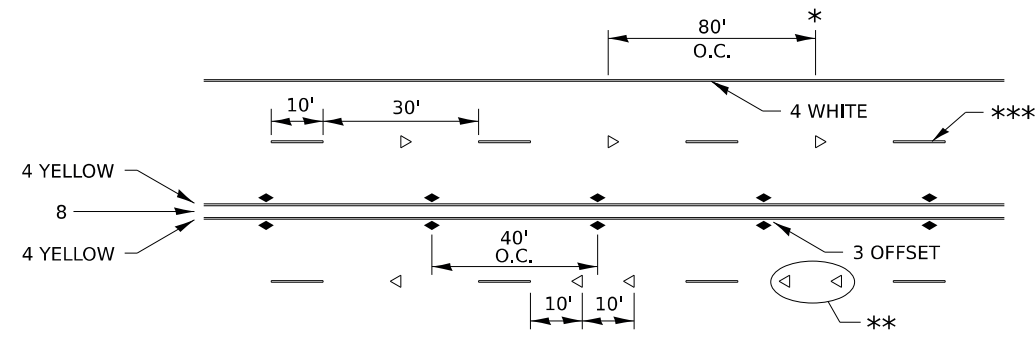
SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	26
CONTRACT NO. 64T58			ILLINOIS FED. AID PROJECT	

TYPICAL PAVEMENT MARKINGS



MULTI-LANE / DIVIDED

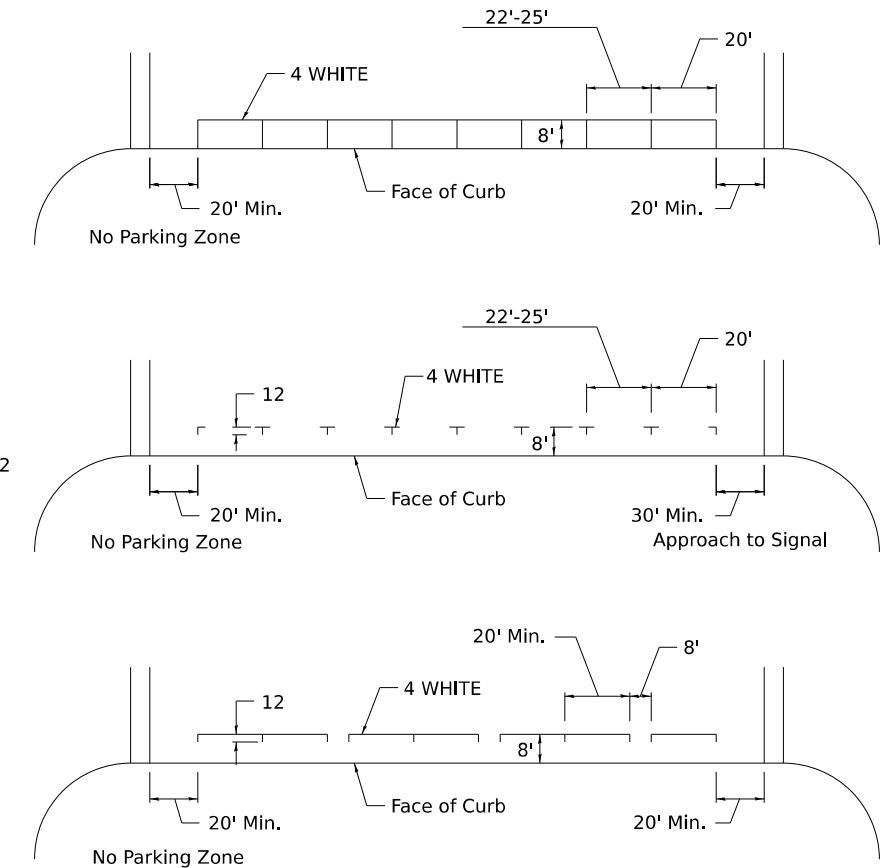


- * REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- ** USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- *** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE, SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

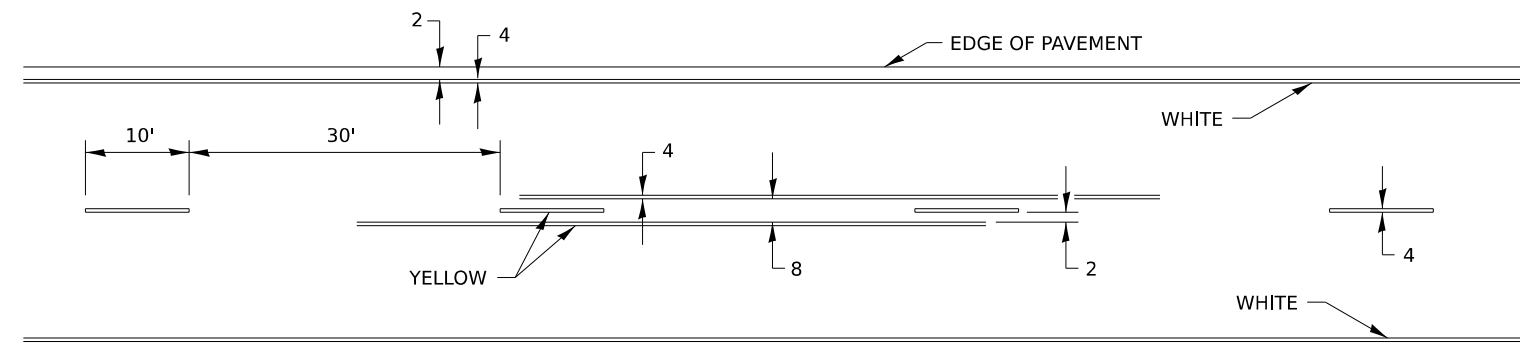
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



MODEL: D2 41.1 - 3 (Sheet)
FILE NAME: P:\26E4183-1\Structure #089-0038\Design\CADD Sheets\089-0038 - sht 023 - sht 032 - D2 Standards.dgn

USER NAME = gsturjeon	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 8-27-13
	CHECKED -	REVISED - 11-28-12
PLOT DATE = 4/2/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

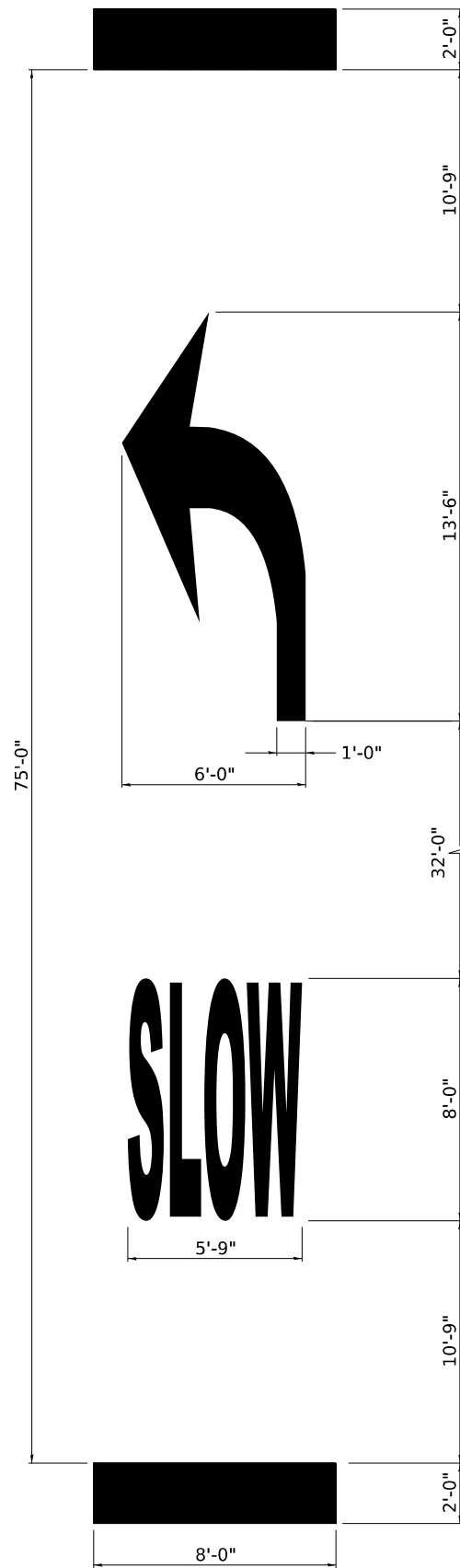
D2 DETAILS
SN 089-0038

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	28
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

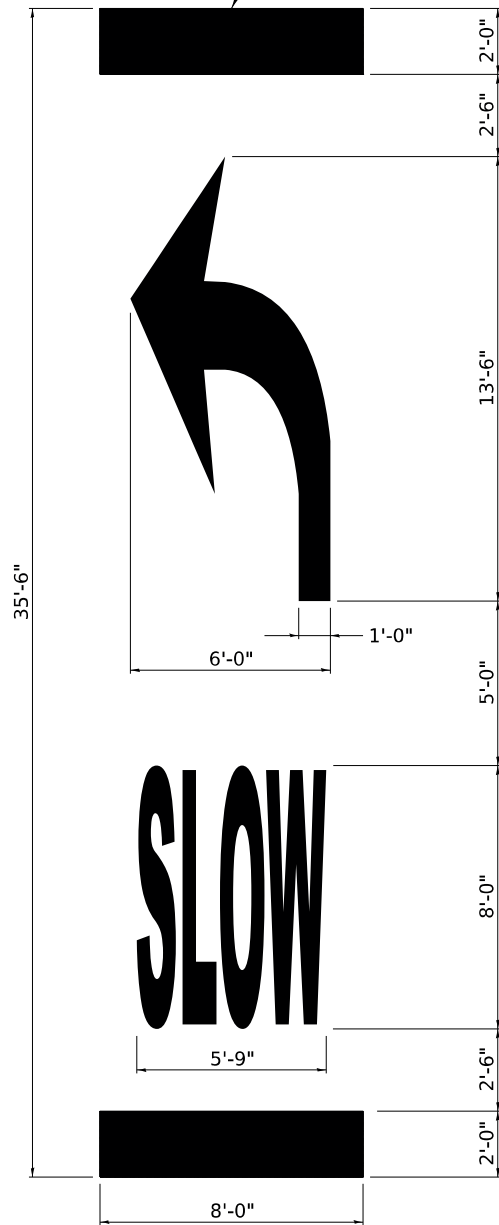
TYPICAL PAVEMENT MARKINGS

EDGE OF 24" PAVEMENT MARKING SHOULD CORRESPOND TO REFERENCE POINT SET IN FIELD.



**SLOW CURVE ARROW
HIGH-SPEED STANDARD MARKING**

(POSTED SPEED LIMIT 40 MPH OR GREATER)



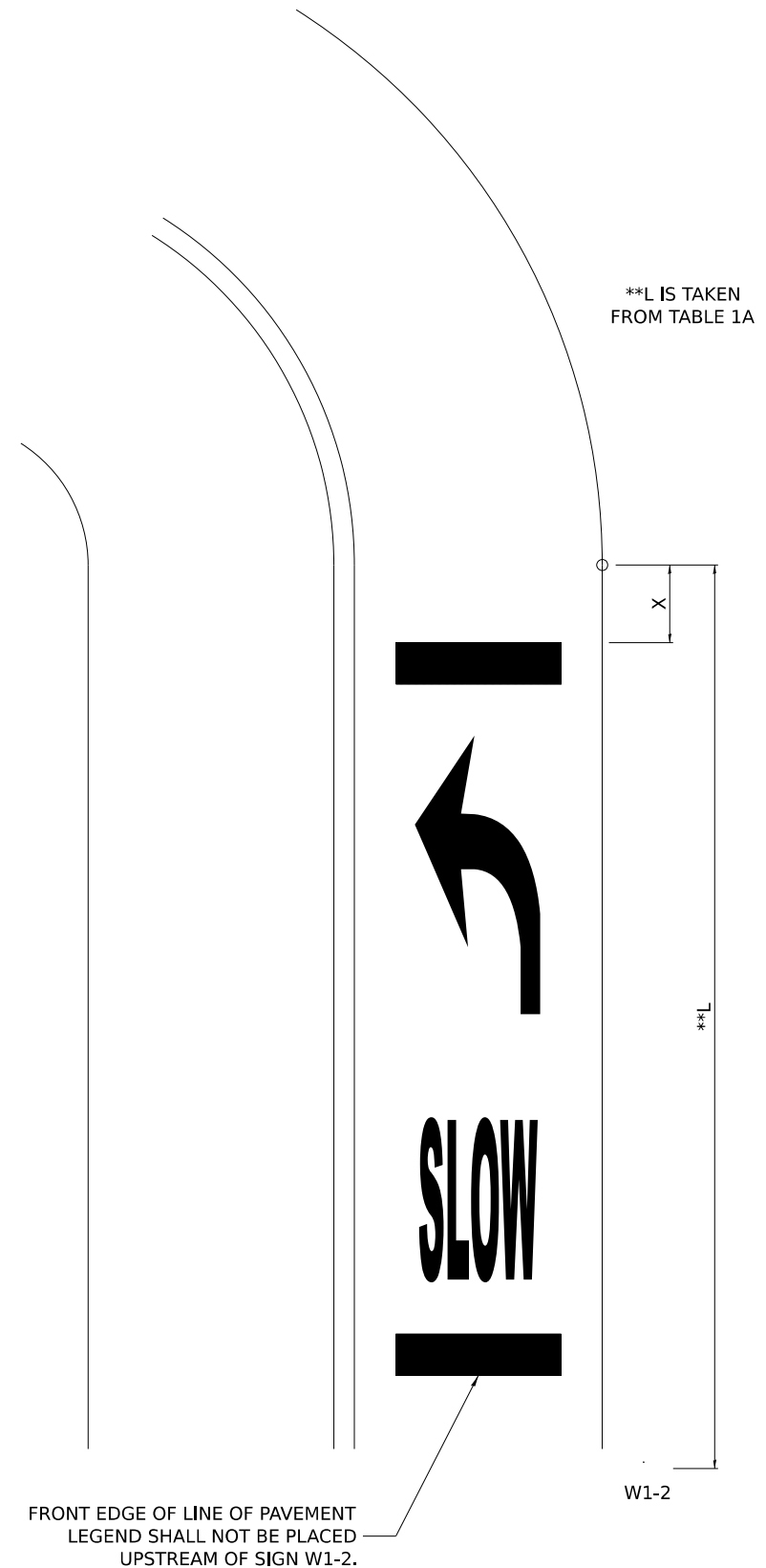
**SLOW CURVE ARROW
LOW-SPEED STANDARD MARKING**

(POSTED SPEED LIMIT 35 MPH OR LESS)

TABLE 1A

POSTED SPEED	WARNING SPEED							
	20	25	30	35	40	45	50	55
VALUE OF X (FT.)								
20 *	100							
25 *	100	100						
30 *	100	100	100					
35 *	100	100	100	100				
40 *	100	100	100	100	100			
45 *	125	110	100	100	100	100		
50 *	225	200	175	135	100	100	100	
55 *	300	275	250	200	175	135	100	100

* NOTE: ON ROADWAYS WITH A POSTED SPEED LIMIT OF 35 MPH OR LESS, USE THE 35'-6" PAVEMENT MARKING LEGEND AS SHOWN IN THE SLOW CURVE ARROW, LOW-SPEED STANDARD MARKING. ON ALL OTHER ROADWAYS, USE THE 50'-0" PAVEMENT MARKING LEGEND AS SHOWN ON THE SLOW CURVE ARROW, HIGH-SPEED STANDARD MARKING.



**TYPICAL LAYOUT AND PLACEMENT OF
SUPPLEMENTAL CURVE PLACEMENT MARKING**

MODEL: D2 41.1 - 5 (Sheet)
FILE NAME: P:\26E4183-1\Structure #089-0038\Design\CADD Sheets\089-0038 - sht 023 - sht 023 - D2 Standards.dgn

USER NAME = gsturjeon	DESIGNED -	REVISED - 10-8-25
	DRAWN -	REVISED - 4-17-25
	CHECKED -	REVISED -
PLOT DATE = 4/2/2026	DATE -	REVISED -

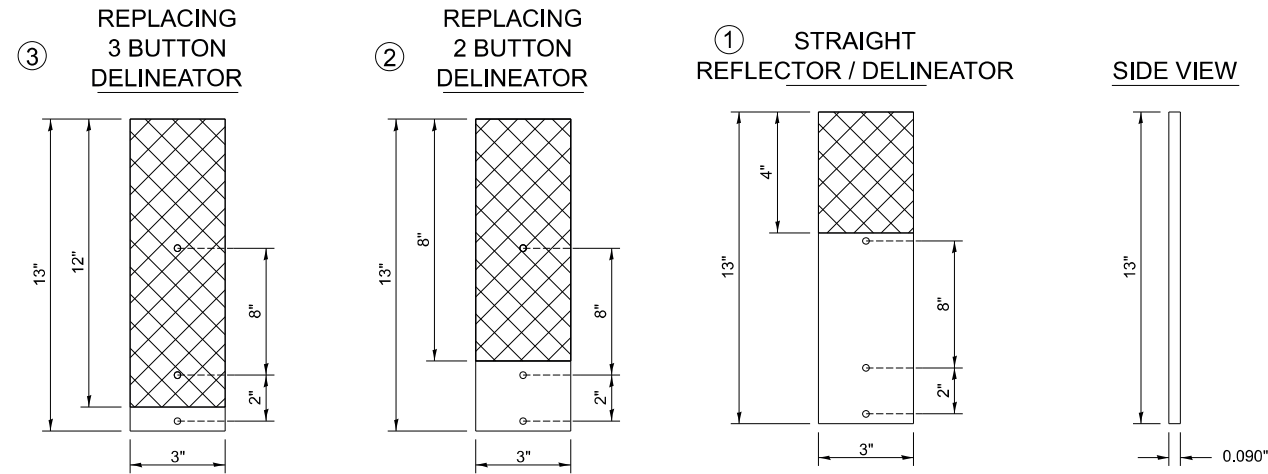
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

D2 DETAILS SN 089-0038	
SCALE:	SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	30
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				

REFLECTORS (SPECIAL)

DELINEATOR REPLACEMENT



NOTE:

REFLECTOR REPLACEMENT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR GUARDRAIL REFLECTORS, TYPE C (SPECIAL), WHICH INCLUDES ALL MOUNTING HARDWARE OUTLINED IN SECTION 635 OF THE SPEC BOOK.

DELINEATOR INSTALLATION (REFLECTOR AND POST) SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR DELINEATORS (SPECIAL), WHICH INCLUDES ALL MOUNTING HARDWARE OUTLINED IN SECTION 635 OF THE SPEC BOOK.

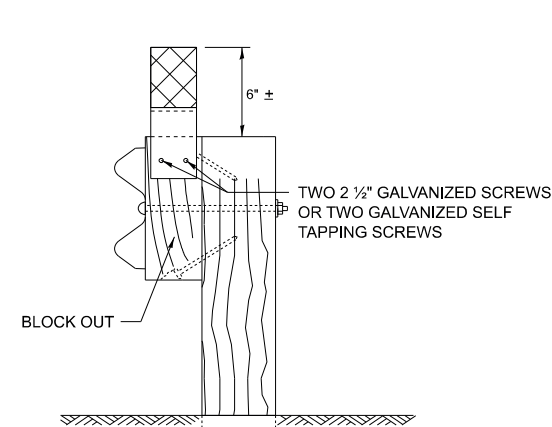
REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE CRYSTAL.

REFLECTORS INSTALLED ON CENTER BARRIER OR IN THE MEDIAN SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE YELLOW.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS ON THE OUTSIDE OF THE ROADWAY SHALL BE DOUBLE SIDED CRYSTAL.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006 UNLESS OTHERWISE NOTED IN THE PLANS.

REFLECTORS FOR GUARDRAIL BLOCK OUT OR DELINEATOR POST

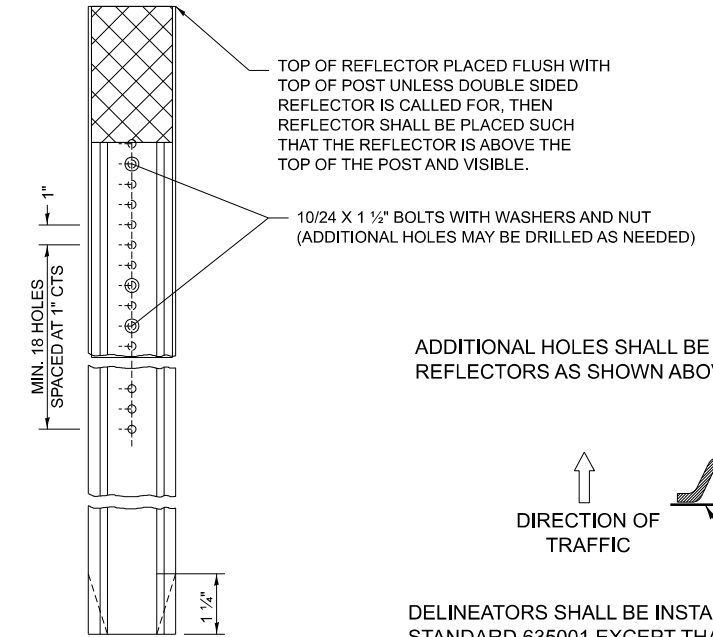


MOUNTED ON A GUARDRAIL BLOCK OUT

REFLECTORS SHALL BE MOUNTED DIRECTLY TO BLOCK OUTS.

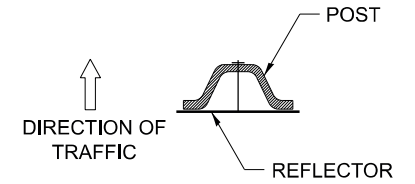
REFLECTORS MOUNTED ON WOODEN OR PLASTIC OR METAL BLOCK OUT SHALL BE MOUNTED USING TWO 2 1/2" GALVANIZED SCREWS WITH WASHERS OR TWO SELF TAPPING GALVANIZED SCREWS WITH WASHERS.

ADDITIONAL SHEETING MAY BE ADDED AS NEEDED FOR TURN AROUNDS AS SHOWN IN THE PLANS



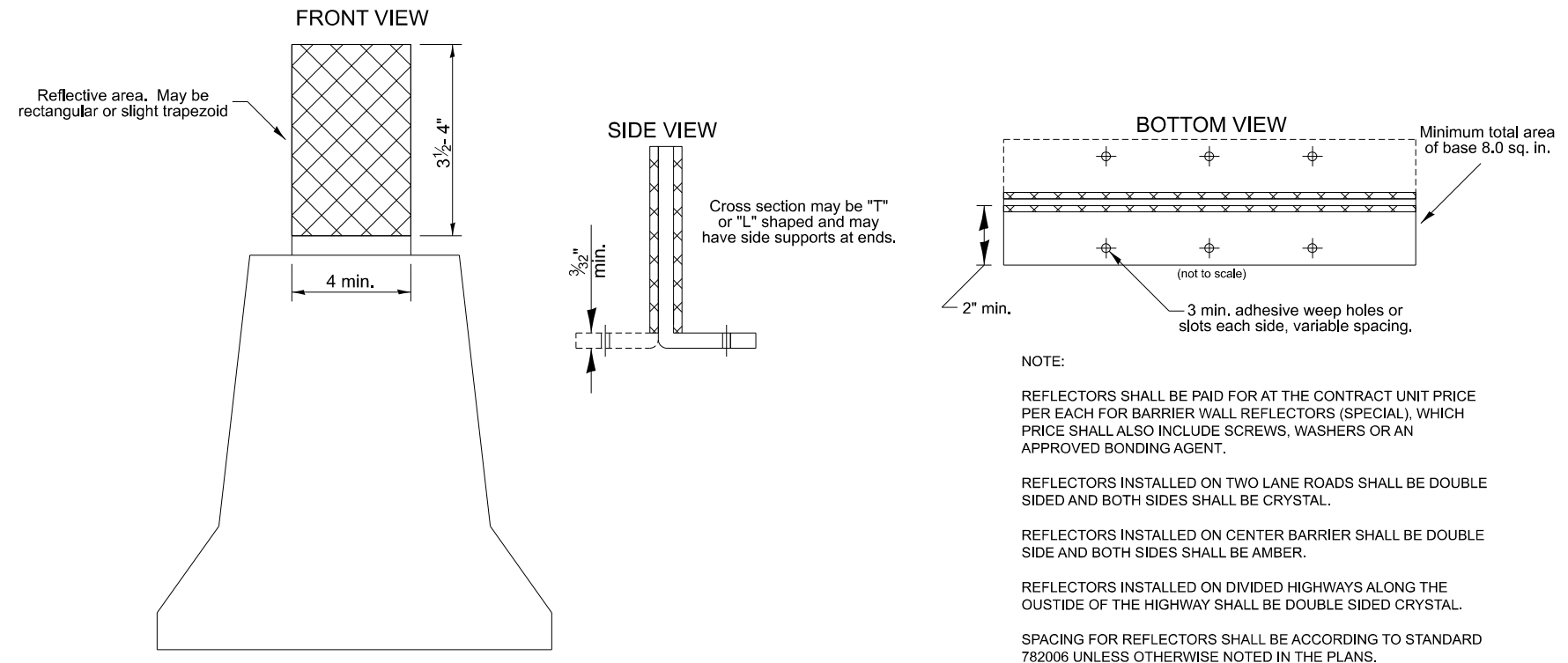
MOUNTED ON A DELINEATOR POST

ADDITIONAL HOLES SHALL BE DRILLED IN THE REFLECTORS AS SHOWN ABOVE.



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE REFLECTOR ATTACHED AS SHOWN ABOVE.

REFLECTORS MOUNTED ON BARRIER WALL



NOTE:

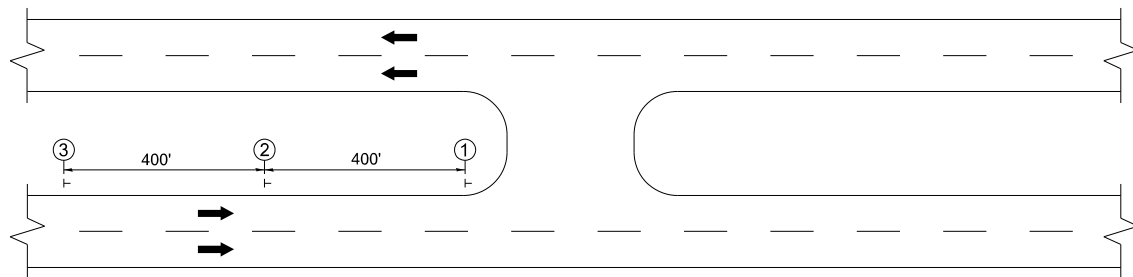
REFLECTORS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR BARRIER WALL REFLECTORS (SPECIAL), WHICH PRICE SHALL ALSO INCLUDE SCREWS, WASHERS OR AN APPROVED BONDING AGENT.

REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE CRYSTAL.

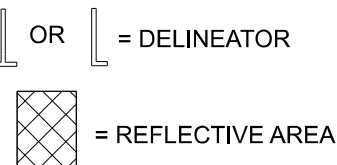
REFLECTORS INSTALLED ON CENTER BARRIER SHALL BE DOUBLE SIDE AND BOTH SIDES SHALL BE AMBER.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS ALONG THE OUTSIDE OF THE HIGHWAY SHALL BE DOUBLE SIDED CRYSTAL.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006 UNLESS OTHERWISE NOTED IN THE PLANS.



LEGEND



MODEL: D2 55.1-1 (Sheet) FILE NAME: P:\25E4183-1\Structure #089-0038\Design\CAADD Sheets\089-0038 - sht 023 - sht 023 - D2 Standards.dgn

USER NAME = gsturjeon	DESIGNED -	REVISED - 3-07-25
	DRAWN -	REVISED - 3-07-24
	CHECKED -	REVISED - 4-27-23
PLOT DATE = 4/2/2026	DATE -	REVISED - 6-21-21

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 2 DETAILS
SN 089-0038**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	(109BR)BRR	STEPHENSON	31	31
CONTRACT NO. 64T58				
ILLINOIS FED. AID PROJECT				